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U.S. Army
Environmental
Center

FINAL

**COMMUNITY ENVIRONMENTAL RESPONSE
FACILITATION ACT REPORT
FOR TOOEE ARMY DEPOT - NORTH AREA
TOOELE, UTAH**



Submitted to:

**U.S. ARMY ENVIRONMENTAL CENTER
ABERDEEN PROVING GROUND, MARYLAND 21020**

Submitted by:

**AGEISS ENVIRONMENTAL, INC.
1900 Grant Street, Suite 1130
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**USAEC Contract DAAA15-93-D-0006
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October 5, 1994

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ADDENDUM

JANUARY 30, 1995

FINAL COMMUNITY ENVIRONMENTAL RESPONSE FACILITATION ACT REPORT
FOR TOOELE ARMY DEPOT - NORTH AREA
TOOELE, UTAH

The revision listed below is necessary based on comments received from the State of Utah and U.S. Environmental Protection Agency review of the Final Community Environmental Response Facilitation Act (CERFA) Report for the Tooele Army Depot - North Area, Tooele, Utah, submitted to the U.S. Army Environmental Center on October 5, 1994 by AGEISS Environmental, Inc.

- 1) Replace the Parcel 2D-PR(P)/HR(P) entry in the Additional Studies/Remediation column on Page 8 of Table 5-1, located on Page 69 of the October 5, 1994 Final CERFA Report with the following text to provide additional clarification, as requested by the State of Utah.

"Ground truthing is recommended for Parcel 2D to determine if further investigation is required."

- 2) Include the two acres immediately to the south of Parcel 2D-PR(P)/HR(P) in Parcel 2D-PR(P)/HR(P). These two acres were previously designated as CERFA parcels; however, per the request of the U.S. Environmental Protection Agency, these two acres are now designated as CERFA disqualified due to the nature and the close proximity of Parcel 2D-PR(P)/HR(P). As such, Parcel 2D-PR(P)/HR(P) now includes a total of 6 acres, and Parcel 18P now includes a total of 222 acres. As a result, the total acreage of CERFA parcels and CERFA disqualified parcels within the Base Realignment and Closure (BRAC) property has also been revised to equal 575 acres and 1062 acres, respectively.

Revise all references to Parcel 2D-PR(P)/HR(P) and 18P, and all references to the total acreages of CERFA parcels and CERFA disqualified parcels presented in the following segments of the October 5, 1994 Final CERFA Report:

Text: Report Documentation Page, Executive Summary and Section 5.0

Tables: Table 5-1, Appendix C Database Table

Graphical Representations: Map 5-1, Figure 5-2

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19. ABSTRACT (Continue on reverse if necessary and identify by block number) This report presents the results of the Community Environmental Response Facilitation Act (CERFA) investigation conducted by AGEISS Environmental, Inc. (AGEISS) at the Tooele Army Depot - North Area (TEAD-N), a U.S. Government property selected for closure by the Base Realignment and Closure (BRAC) Commission under Public Laws 100-526 and 101-510. The primary objective of this investigation as required under CERFA (Public Law 102-426), is for Federal agencies to expeditiously identify real property offering the greatest opportunity for immediate reuse and redevelopment. The property examined under this investigation consists of a 1,684 acre site located in Tooele County, UT, immediately west of the city of Tooele, UT. Environmentally significant operations associated with the property are vehicle and equipment maintenance, storage, and repair; fuel storage; and hazardous materials storage. AGEISS reviewed existing investigation documents, U.S. Environmental Protection Agency (EPA), State, and county regulatory records, environmental databases, and title documents pertaining to TEAD-N during this investigation. In addition, AGEISS conducted interviews and visual inspections of TEAD-N as well as visual inspections and database searches for the surrounding properties. This information was used to divide the 1,684 acre BRAC parcel into four categories of parcels: CERFA parcels, CERFA parcels with qualifiers, CERFA disqualified parcels, and CERFA excluded parcels. Approximately 577 acres of the BRAC parcel fall within the CERFA parcel category, with no evidence of Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)-regulated hazardous substance or petroleum product release, disposal, or storage. Approximately 47 acres of the facility were identified as CERFA parcels with qualifiers, with no evidence of such release, disposal, or storage, but which contained related environmental, hazard, and safety issues, such as asbestos, radon gas, lead-based paint, unexploded ordnance, radionuclides, or not in-use polychlorinated biphenyl-containing equipment. Approximately 1,060 acres were categorized as CERFA disqualified parcels due to the history of release, disposal, or storage for one year or more of CERCLA-regulated hazardous substances or petroleum products. The remaining areas on the installation have an existing mandate for retention by the Federal government, or have already been transferred by deed and are categorized as CERFA excluded parcels.					
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The views, opinions, and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision unless by official documentation.

TABLE OF CONTENTS

<u>Section</u>	<u>Page</u>
<u>EXECUTIVE SUMMARY</u>	vi
1.0 <u>INTRODUCTION</u>	1
1.1 <u>PURPOSE AND SCOPE</u>	1
1.2 <u>DEFINITION OF TERMS</u>	2
1.3 <u>GEOGRAPHICAL AND ENVIRONMENTAL SETTING</u>	3
1.3.1 <u>Physiography</u>	3
1.3.2 <u>Land Use</u>	3
1.3.3 <u>Meteorology</u>	3
1.3.4 <u>Surface Water</u>	7
1.3.5 <u>Groundwater</u>	7
1.3.6 <u>Flora and Fauna</u>	8
1.3.7 <u>Archeological Resources</u>	9
2.0 <u>SCOPE OF INVESTIGATION</u>	11
2.1 <u>DOCUMENT AND MAP REVIEW</u>	11
2.2 <u>SITE VISITS</u>	11
2.3 <u>INTERVIEWS</u>	11
2.4 <u>REGULATORY RECORDS</u>	15
2.4.1 <u>Federal Regulatory Review</u>	18
2.4.2 <u>State Regulatory Review</u>	19
2.4.3 <u>Local Regulatory Review</u>	20
2.5 <u>TITLE DOCUMENTS</u>	21
3.0 <u>PROPERTY BACKGROUND INFORMATION</u>	22
3.1 <u>HISTORICAL BACKGROUND</u>	22
3.2 <u>DESCRIPTION OF BRAC PARCEL</u>	22
3.2.1 <u>Maintenance and Supply Area</u>	22
3.2.1.1 <u>Open Storage Lots</u>	32
3.2.1.2 <u>Storage Warehouses</u>	32
3.2.1.3 <u>Consolidated Maintenance Facility</u>	33
3.2.1.4 <u>Maintenance Buildings</u>	33
3.2.1.5 <u>Solvent Recovery Facility</u>	34
3.2.1.6 <u>Defense Reutilization and Marketing Office</u>	34
3.2.1.7 <u>Industrial Wastewater Treatment Plant</u>	36
3.2.1.8 <u>Combat Vehicle Test Facility</u>	36
3.2.1.9 <u>90-Day Drum Storage Area</u>	37
3.2.1.10 <u>Drum Storage Areas</u>	37
3.2.1.11 <u>Adjacent Property</u>	37
3.2.2 <u>Administration Area</u>	38
3.3 <u>REGULATORY HISTORY</u>	39
3.3.1 <u>CERCLA Status</u>	39
3.3.2 <u>RCRA Status</u>	39

TABLE OF CONTENTS (Continued)

<u>Section</u>	<u>Page</u>
4.0 <u>INVESTIGATION RESULTS AND ASSUMPTIONS</u>	41
4.1 AREAS REQUIRING ENVIRONMENTAL EVALUATION IDENTIFIED BY THE ENPA AND PREVIOUS ENVIRONMENTAL INVESTIGATIONS	41
4.2 CERFA DISQUALIFIED PARCELS	41
4.2.1 <u>CERFA Designation of Sites with Historical and Ongoing Remediation Efforts</u>	52
4.2.1.1 PCB Spill Site	52
4.2.1.2 Industrial Wastewater System	53
4.2.1.3 TCE Groundwater Plumes	53
4.2.1.4 Limited Underground Storage Tank Remediation	54
4.2.2 <u>CERFA Designation of Hazardous Material or Petroleum Release or Disposal Sites</u>	54
4.2.3 <u>CERFA Designation of Hazardous Material or Petroleum Storage Sites</u>	55
4.2.4 <u>CERFA Designation of Contamination from Off-Parcel Sources</u>	55
4.3 CERFA QUALIFIED PARCELS	56
4.3.1 <u>Asbestos</u>	56
4.3.2 <u>Radon</u>	56
4.3.3 <u>Radionuclides</u>	57
4.3.4 <u>Polychlorinated Biphenyls</u>	57
4.3.5 <u>Lead-Based Paint</u>	58
4.3.6 <u>Unexploded Ordnance</u>	58
4.4 CERFA PARCELS	58
4.5 CERFA EXCLUDED PARCELS	58
5.0 <u>CERFA PARCELIZATION SUMMARY</u>	60
5.1 CERFA PARCEL DESIGNATION MAP	61
5.2 TRACT MAP	61
5.3 SUMMARY CERFA MAP	61
6.0 <u>REFERENCES</u>	80
APPENDIX A	HAZARDOUS MATERIALS INVENTORY AND USAGE REPORT
APPENDIX B	RESULTS OF FEDERAL DATABASE SEARCH
APPENDIX C	DISQUALIFIER AND QUALIFIER DATABASE TABLE
APPENDIX D	REGULATORY COMMENTS TO THE DRAFT FINAL TOOELE ARMY DEPOT - NORTH AREA CERFA REPORT

LIST OF TABLES

<u>Table No.</u>	<u>Page</u>
1-1 Labeling Methodology for CERFA Parcelization	4
2-1 List of Maps and Documents Reviewed for TEAD-N CERFA Investigation	12
2-2 List of People Interviewed for TEAD-N CERFA Investigation	16
3-1 Buildings and Facilities within the BRAC Parcel	24
4-1 Areas Requiring Environmental Evaluation and Recommendations for Further Action	42
5-1 Parcel Identification	62

LIST OF FIGURES

<u>Figure No.</u>	<u>Page</u>
1-1 TEAD-North Location Map	5
1-2 Surrounding Land Use Map	6
3-1 BRAC Parcel	23
4-1 Areas Requiring Environmental Evaluation - Maintenance and Supply Area	49
4-2 Areas Requiring Environmental Evaluation - Administration Area	50
5-1 Tract Map	78
5-2 Parcel Designation	79

LIST OF MAPS

<u>Map No.</u>	<u>Location</u>
5-1 CERFA Parcel Designation Map	Plastic sleeve at end of report

LIST OF ABBREVIATIONS/ACRONYMS

A	Asbestos
ACM	Asbestos Containing Material
AGEISS	AGEISS Environmental, Inc.
AP	Former Ground Disturbance Identified on Aerial Photographs
AREE	Area Requiring Environmental Evaluation
Army	U.S. Army
AST	Above Ground Storage Tank
Bldg.	Building
BRAC	Base Realignment and Closure
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERFA	Community Environmental Response Facilitation Act
CFR	Code of Federal Regulations
CMF	Consolidated Maintenance Facility
CMS	Corrective Measures Study
D	CERFA disqualified parcel
DOD	U.S. Department of Defense
DRMO	Defense Reutilization and Marketing Office
E	CERFA excluded parcel
ECAS	Environmental Compliance Assessment System
ENPA	Enhanced Preliminary Assessment
EPA	U.S. Environmental Protection Agency
ERI	Environmental Research Inc.
ERNS	Emergency Response Notification System
*F	Degrees Fahrenheit
FB	Former Building
FINDS	Facility Index Related Systems
FS	Feasibility Study
GAC	Granulated Activated Carbon
HR	Hazardous material release/disposal
HS	Hazardous material storage
IRP	Installation Restoration Program
IWL	Industrial Waste Lagoon
IWTP	Industrial Wastewater Treatment Plant
L	Lead-based paint
LUST	Leaking Underground Storage Tank
NA	Not Available
No.	Number
NPL	National Priorities List
OIWL	Old Industrial Waste Lagoon
OSL	Open Storage Lot
(P)	Possible
P	Polychlorinated biphenyl or CERFA parcel

LIST OF ABBREVIATIONS/ACRONYMS (Continued)

PCB	Polychlorinated biphenyl
PCP	Post-Closure Permit
ppm	parts per million
PR	Petroleum release/disposal
PS	Petroleum storage
Q	CERFA qualified parcel
R	Radon
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
RD	Radionuclides
RFI	RCRA Facility Investigation
RI	Remedial Investigation
SVOC	Semivolatile Organic Compound
SWMU	Solid Waste Management Unit
TCE	Trichloroethylene
TCHD	Tooele County Health Department
TEAD	Tooele Army Depot
TEAD-N	Tooele Army Depot - North Area
TEAD-S	Tooele Army Depot - South Area
TRPH	Total Residual Petroleum Hydrocarbons
µg/L	micrograms per liter
USAEC	U.S. Army Environmental Center
UST	Underground Storage Tank
UXO	Unexploded Ordnance
VOC	Volatile Organic Compound
X	Unexploded ordnance

EXECUTIVE SUMMARY

This report presents the results of the Community Environmental Response Facilitation Act (CERFA) investigation conducted by AGEISS Environmental, Inc. (AGEISS) at the Tooele Army Depot - North Area (TEAD-N), a U.S. Government property selected for closure by the Base Realignment and Closure (BRAC) Commission under Public Laws 100-526 and 101-510. The primary objective of this investigation as required under CERFA (Public Law 102-426), is for Federal agencies to expeditiously identify real property offering the greatest opportunity for immediate reuse and redevelopment. Satisfying this objective requires the identification of real property where no Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) regulated hazardous substances or petroleum products or their derivatives were stored for one year or more, known to have been released, or disposed.

The property examined under this investigation consists of a 1,684 acre site located in Tooele County, UT, immediately west of the city of Tooele, UT. The BRAC parcel that is the subject of this CERFA investigation is actually two geographically discrete parcels located within the east central and southeast portion of TEAD-N. The largest parcel covers most of the Maintenance and Supply Area, while the smaller parcel is located in the Administration Area east of the railroad tracks. Numerous structures and open storage lots are present in the TEAD-N BRAC parcel. The installation's primary mission is to receive, store, issue, maintain, and dispose of munitions; to provide vehicle and equipment maintenance, repair, and storage; to provide installation support to attached organizations; and to operate other facilities as assigned. Environmentally significant operations associated with the property are vehicle and equipment maintenance, storage, and repair; fuel storage; and hazardous materials storage.

AGEISS reviewed existing investigation documents, U.S. Environmental Protection Agency (EPA), State, and county regulatory records, environmental databases, and title documents pertaining to TEAD-N during this investigation. In addition, AGEISS conducted interviews and visual inspections of TEAD-N as well as visual inspections and database searches for the surrounding properties. This information was used to divide the 1,684 acre BRAC parcel into four categories of parcels: CERFA parcels, CERFA parcels with qualifiers, CERFA disqualified parcels, and CERFA excluded parcels.

Areas of the BRAC parcel that have no history of CERCLA-regulated hazardous substance or petroleum product release, disposal, or storage are categorized as CERFA parcels. AGEISS' investigation and subsequent parcelization of the 1,684 acre BRAC parcel determined that approximately 577 acres of the BRAC parcel fall within the CERFA parcel category. The CERFA parcels are located predominantly in the eastern portion of the Maintenance and Supply Area of the BRAC parcel and throughout much of the Administration Area of the BRAC parcel.

Areas of the BRAC parcel that had no evidence of such release, disposal, or storage, but contained related environmental, hazard, and safety issues, such as asbestos, radon gas, lead-based paint, unexploded ordnance, radionuclides, or not in-use polychlorinated biphenyl containing equipment, were categorized as CERFA parcels with qualifiers. Approximately 47 acres of the facility were identified as CERFA parcels with qualifiers.

Areas of the BRAC parcel for which there is a history of release, disposal, or storage for one year or more of CERCLA-regulated hazardous substances or petroleum products were categorized as CERFA disqualified parcels. One thousand sixty (1,060) acres of installation

property are identified as CERFA disqualified parcels. The majority of the CERFA disqualified acreage is underlain by the maximum extent of the trichloroethylene groundwater plume present at the TEAD-N installation.

The remaining areas on the installation have an existing mandate for retention by the Federal government, or have already been transferred by deed and are categorized as CERFA excluded parcels. The remainder of the TEAD-N installation excluding the 1,684 acre BRAC parcel was identified as CERFA excluded.

The accompanying map summarizes the categorization of the TEAD-N BRAC parcel based on the above definitions. This Executive Summary should be used only in conjunction with the complete Final CERFA Report for this installation. The Final CERFA Report provides the relevant environmental history to substantiate the parcel categorization. All available information obtained from October 1993 through September 1994 was reviewed and incorporated into the Final CERFA Report.

The Draft Final CERFA Report was reviewed by the U.S. Army Environmental Center, TEAD-N Installation, Region VIII EPA, and the State of Utah Department of Environmental Quality. The primary objective of CERFA is satisfied by the identification of CERFA parcels and CERFA parcels with qualifiers. As a result, concurrence was sought from the regulatory agencies on these two categories of parcels. Comments from these organizations are incorporated into Appendix D of this final document, including any unresolved issues from the regulatory agencies.

This report does not address other property transfer requirements which may be applicable under the National Environmental Policy Act, nor does it address natural resource considerations such as endangered, rare, or threatened plant or animal life.

1.0 INTRODUCTION

Under Contract DAAA15-93-D-0006, Delivery Order 001, the U.S. Army Environmental Center (USAEC) tasked AGEISS Environmental, Inc. (AGEISS) to prepare an Enhanced Preliminary Assessment (ENPA) and conduct an investigation according to the provisions in the Community Environmental Response Facilitation Act (CERFA) for the realignment of a 1,684 acre parcel located at the Tooele Army Depot - North Area (TEAD-N) in Tooele, UT.

1.1 PURPOSE AND SCOPE

Public Laws 100-526 and 101-510 designated more than 100 U.S. Department of Defense (DOD) facilities for closure and realignment. As a result, it became necessary to expedite the environmental investigation and cleanup process, as necessary, prior to the release and reuse of U.S. Army (Army) Base Realignment and Closure (BRAC) property. The BRAC environmental restoration program was established in 1989 with the first round (BRAC 88) of base closures and continued with subsequent rounds (BRAC 91, BRAC 93, etc.). The BRAC program is patterned after the Army's Installation Restoration Program (IRP), except it has been expanded to include such categories of contamination as asbestos, radon, polychlorinated biphenyls (PCBs), and others that are not normally addressed under the Army IRP.

The BRAC environmental restoration program began by conducting ENPAs. The term "enhanced" is used to distinguish these assessments from previous IRP preliminary assessments, since the BRAC ENPAs are conducted from a property transfer perspective and evaluate areas that are not typically included in the IRP (e.g., asbestos, radon, PCBs). The ENPAs include reviews of existing installation documents, regulatory records, and aerial photographs; a site visit and visual inspection; and employee interviews. ENPAs were conducted for BRAC 88 and BRAC 91 installations, and are currently underway at BRAC 93 installations. An ENPA has been prepared concurrently with this CERFA Report for TEAD-N by AGEISS under the direction of USAEC (formerly USATHAMA).

In October 1992, Public Law 102-426, CERFA amended Section 120 (h) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and established new requirements with respect to contamination assessment, cleanup, and regulatory agency notification and concurrence for Federal facility closures. CERFA requires the Federal government, before termination of Federal activities on real property owned, to identify property where no hazardous substances were stored, released, or disposed. CERFA designations must be concurred with by the appropriate regulatory agency (U.S. Environmental Protection Agency (EPA) for National Priority List (NPL) bases and State on non-NPL bases). These requirements retroactively affect the Army BRAC 88 and BRAC 91 environmental restoration activities, and are being implemented at BRAC 93 sites concurrently with ENPAs. The primary CERFA objective is for Federal agencies to expeditiously identify real property offering the greatest opportunity for immediate reuse and redevelopment. Although CERFA does not mandate the Army transfer real property so identified, the first step in satisfying the objective of CERFA is the requirement to identify real property where no CERCLA-regulated hazardous substances or petroleum products were stored, released, or disposed.

In March 1993, the BRAC Commission called for the transfer of the Tooele Army Depot (TEAD) Maintenance Mission, the Defense Depot Ogden, Tooele Operations Supply Mission,

and the Defense Reutilization and Marketing Office (DRMO) to other DOD installations. Most of the depot's Maintenance and Supply and Administration Areas, except an enclave around the TEAD Headquarters and the ammunition storage areas, are included in the 1,684 acre parcel to be excessed.

AGEISS was awarded the task to identify real property where no CERCLA-regulated hazardous substances or petroleum products were stored, released, or disposed at the TEAD-N BRAC parcel. The purpose of this report is to present the findings of the CERFA investigation for the BRAC parcel at TEAD-N.

1.2 DEFINITION OF TERMS

The following definitions are used to categorize and label parcels identified on the installation:

- ◆ CERFA Parcel - A portion of the installation real property for which investigation reveals no evidence of storage for one year or more, release, or disposal of CERCLA hazardous substances, petroleum, or petroleum derivatives and no evidence of being threatened by migration of such substances. CERFA parcels include areas where PCB-containing equipment is in operation, but there is no evidence of release. CERFA parcels also include any portion of the installation which once contained related environmental, hazard, or safety issues including unexploded ordnance (UXO) located on firing ranges or impact areas, radon, stored (not in-use) PCB-containing equipment, asbestos contained within building materials, and lead-based paint applied to building material surfaces, but which have since been fully remediated or removed.
- ◆ CERFA Parcel with Qualifier(s) - A portion of the installation real property for which investigation reveals no evidence of storage for one year or more, release, or disposal of CERCLA hazardous substances, petroleum, or petroleum derivatives and no evidence of being threatened by migration of such substances. Parcel does however contain related environmental, hazard, or safety issues including UXO located on firing ranges or impact areas, radon, radionuclides contained within products being used for their intended purposes, asbestos contained within building materials, lead-based paint applied to building material surfaces, or stored (not in-use) PCB-containing equipment.
- ◆ CERFA Disqualified Parcel - A portion of the installation real property for which investigation reveals evidence of a release, disposal, or storage for more than 1 year of a CERCLA hazardous substance, petroleum, or petroleum derivative; or a portion of the installation threatened by such a release or disposal. CERFA disqualified parcels also include any portion of the installation where PCBs, asbestos-containing material (ACM), lead-based paint residue, or any ordnance has been disposed of, and any locations where chemical ordnance has been stored. Additionally, CERFA disqualified parcels include any areas in which CERCLA hazardous substances or petroleum products have been released or disposed of and subsequently fully remediated.
- ◆ CERFA Excluded Parcel - Portion of the installation real property retained by the DOD, and therefore not explicitly investigated for CERFA. CERFA excluded parcels also include any portion of the installation which have already been

transferred by deed to a party outside the Federal government, or by transfer assembly to another Federal agency.

Table 1-1 provides a description of the CERFA label methodology utilized in the report. Examples for the various label types are also provided.

1.3 GEOGRAPHICAL AND ENVIRONMENTAL SETTING

TEAD-N is located in Tooele County, UT (Figure 1-1). TEAD-N is located within the Tooele Valley in the central portion of northern Utah, immediately west of the town of Tooele, about 35 miles southwest of Salt Lake City. The BRAC parcel that is the subject of this investigation is actually two geographically discrete parcels located within the northeastern portion of TEAD-N.

Descriptions of TEAD-N's environmental setting include physiography, land use, meteorology, surface water, groundwater, flora and fauna, and archeological resources. This information was taken largely from the Tooele Army Depot Preliminary Assessment/Site Investigation Final Report (EA, 1988b).

1.3.1 Physiography

TEAD-N is located in the Great Salt Lake Basin, a large interior drainage basin within the Basin and Range Geologic Province, approximately 35 miles west of the Wasatch Fold and Fault Belt of the Overthrust Geologic Province. The Basin and Range Province is characterized by large fault blocks that trend approximately north to south. Movement along these fault blocks caused the formation of large interior drainage basins with extensive alluvial and lacustrine deposits. TEAD-N is bounded on the west by the Stansbury Mountains, on the east by the Oquirrh Mountains, on the south by South Mountain, and to the north is the Great Salt Lake.

1.3.2 Land Use

With the exception of the cities of Tooele, Grantsville, and Stockton, the area surrounding TEAD-N is largely undeveloped, with predominately grazing and limited cultivation occurring. The town of Grantsville is located approximately 2 miles north of the northwest corner of TEAD-N; the City of Tooele lies adjacent to the northeast corner; and Stockton is located approximately 2 miles to the south along State Highway 36.

Zoning maps and general zoning information were obtained from the Tooele County Department of Engineering and the City of Tooele Engineer's office. Current zoning maps show that the property adjacent to the BRAC parcel is zoned primarily for agricultural, residential, and manufacturing purposes (Figure 1-2).

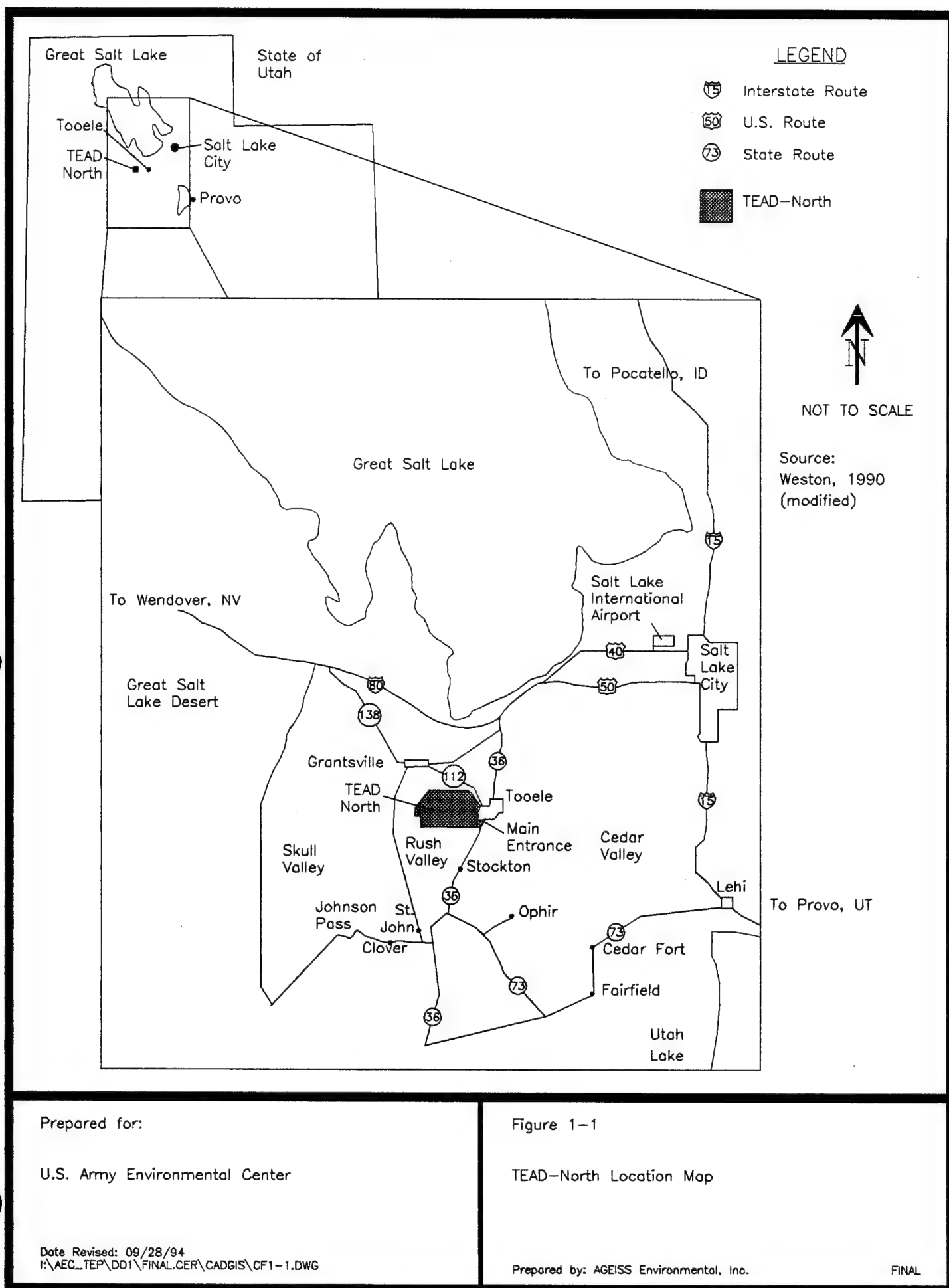
1.3.3 Meteorology

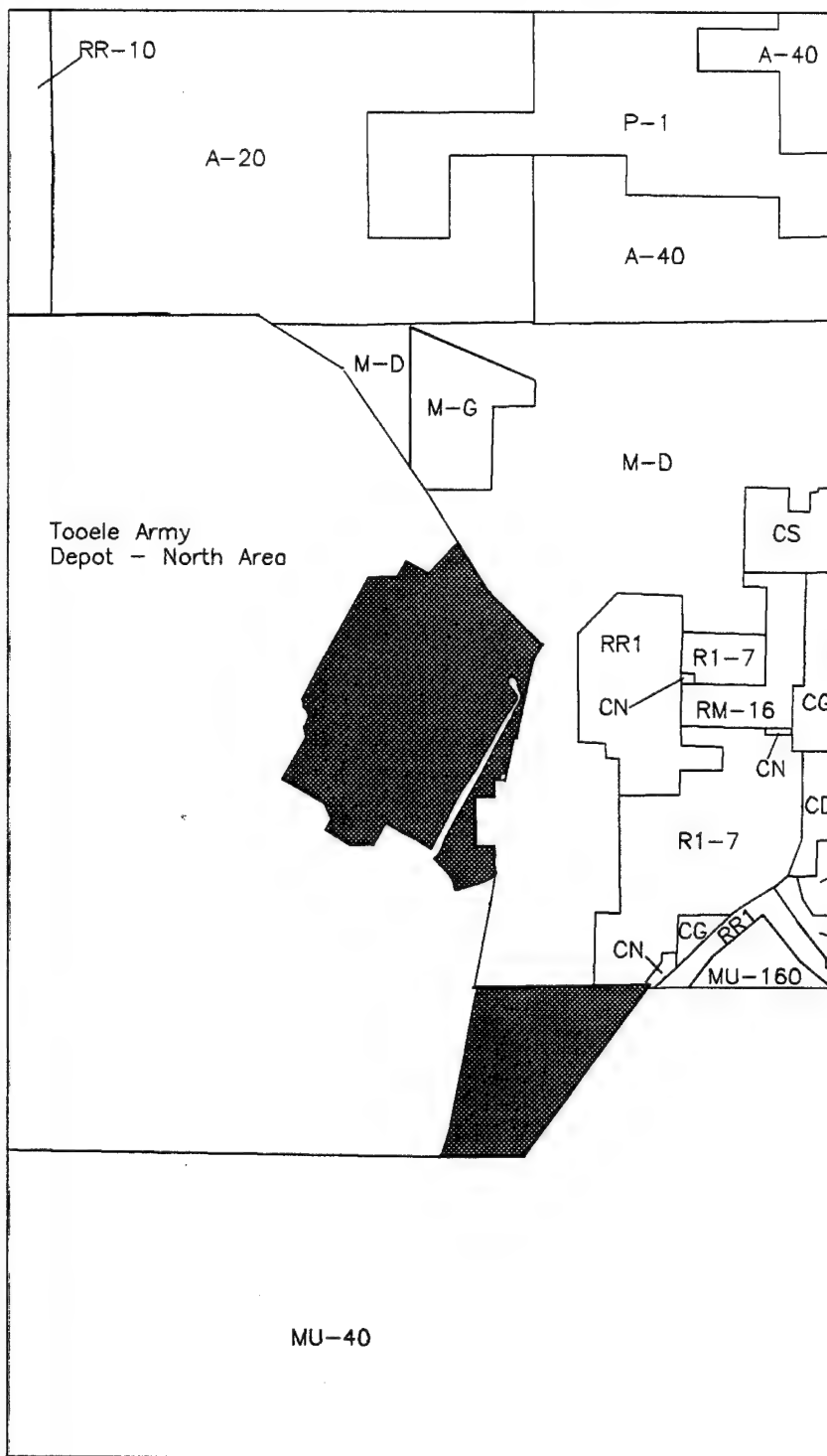
TEAD-N has hot, dry summers, cool springs and falls, moderately cold winters, and general year-round lack of precipitation. Precipitation that does occur usually does so in the form of snow between early fall and late spring. Grantsville, approximately 2 miles northwest of TEAD-N, receives an average of 11 inches of precipitation, and Tooele, adjacent to the eastern boundary of TEAD-N, receives 16.5 inches of annual precipitation.

Table 1-1. Labeling Methodology for CERFA Parcelization.


Label Name	Definition	Examples
CERFA PARCEL LABELS	The following labels are used in conjunction with the identified parcels. Each parcel is given an unique number to which the appropriate labels are attached. P = CERFA Parcel Q = CERFA Qualified Parcel D = CERFA Disqualified Parcel E = CERFA Excluded Parcel	4P indicates that the fourth parcel is in the CERFA parcel category.
CERFA QUALIFIER LABELS	The presence of related environmental, hazard, and safety issues, which places a parcel in the CERFA parcel with qualifier category, is indicated by the following labels: A = Asbestos L = Lead-Based Paint P = PCB R = Radon X = UXO RD = Radionuclides	5Q-L indicates that the fifth parcel is in the CERFA parcel with qualifiers category, because of the presence of lead-based paint.
CERFA DISQUALIFIED LABELS	Storage, release, or disposal of a CERCLA hazardous substance, petroleum, or petroleum derivative, which places a parcel in the CERFA disqualified category, are indicated by the following labels: PR = Petroleum Release/Disposal PS = Petroleum Storage HR = Hazardous Material Release/Disposal HS = Hazardous Material/Disposal	12D-HR indicates that the twelfth parcel is in the CERFA disqualified category, because of evidence of hazardous material release.
LABEL DESIGNATION FOR UNVERIFIED INFORMATION	For all types of parcels, (P) [i.e., P with parentheses around it] is used to indicate that the presence of the contamination is possible, but that data is unavailable for verification.	9Q-A(P) indicates that the ninth parcel is in the CERFA parcel with qualifier category, because of possible presence (unverified) of ACM.
OTHER EXAMPLES	None.	15D-HR/PS/A(P) indicates that the 15th parcel is in the CERFA disqualified category, based on evidence of a hazardous material release and petroleum storage. This parcel also contains possible ACM.
OTHER EXAMPLES	None.	8Q-RD/R indicates that the 8th parcel is in the CERFA parcel with qualifier category, because of the presence of radionuclides and radon.

A Asbestos
 ACM Asbestos Containing Material
 CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
 CERFA Community Environmental Response Facilitation Act
 D CERFA disqualified parcel
 E CERFA excluded parcel
 HR Hazardous material release/disposal
 HS Hazardous material storage
 L Lead-Based Paint
 P Polychlorinated biphenyl or CERFA parcel
 PCB Polychlorinated biphenyl
 PR Petroleum release/disposal
 PS Petroleum storage
 (P) Possible
 Q CERFA qualified parcel
 R Radon
 RD Radionuclides
 X Unexploded Ordnance

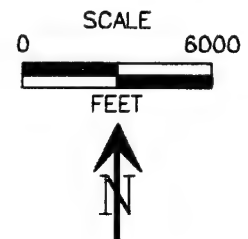




LEGEND

-  BRAC Parcel
- A-20 Agricultural
- A-40 Agricultural
- CD Central Development
- CG General Commercial
- CN Neighborhood Commercial
- CS Shopping District Commercial
- M-D Manufacturing-Distribution
- M-G General Manufacturing
- MU-40 Multiple Use
- MU-160 Multiple Use
- P-1 Planned Community
- R1-7 Residential
- RM-16 Multiple Residential
- RR1 Rural Residential
- RR-10 Rural Residential

NOTE: For the purpose of assigning zoning designations, City of Tooele boundary as presented on Tooele County maps was used, as these maps are more recent and accurate compared to Tooele City map.



SOURCE: Tooele County Zoning Maps and Tooele City Zoning Map (modified).

Prepared for:
U.S. Army Environmental Center

Figure 1-2
Surrounding Land
Use Map

Date Revised: 08/22/94
I:\AEC_TEP\DOT\FINAL_CER\CADGIS\CF1-2.DWG

Prepared by: AGEISS Environmental, Inc.

FINAL

The interaction of the Salt Lake Basin and the shallow Great Salt Lake causes a sea-breeze circulation throughout the basin called the local wind circulation. Winds rarely exceed 10 miles per hour although a constant air interchange is occurring. The average annual temperature ranges from a high of 80 degrees Fahrenheit (°F) in July to a low of 30 °F in January.

1.3.4 Surface Water

TEAD-N is located in Tooele Valley, which is bordered to the north by the Great Salt Lake at an elevation of 4,200 feet above mean sea level. Drainage from the surrounding mountains disappears in the valley floor.

No perennial streams exist at TEAD-N, but there are five perennial streams originating in the Oquirrh Mountains to the east and the Stansbury Mountains to the west. Together these streams contribute approximately 17,000 acre feet of water per year to the Tooele Valley. South Willow Creek, an ephemeral drainage that enters TEAD-N at the northwestern boundary is the largest stream in the Tooele Valley. Box Elder Wash, also an ephemeral drainage, enters the boundary of TEAD-N in the southwest and crosses from south to north. There are also four large springs in the Tooele Valley, but these are outside the boundaries of TEAD-N.

Storm runoff drainage systems have been constructed in several areas of TEAD-N. The drainage from these systems ends in spreading areas or natural drainage channels on base property. The stormwater drainage in the Maintenance and Supply Area of the BRAC parcel is accomplished by an interconnected system of open drainages, drainage manholes, catch basins, and storm sewer mains. Stormwater drainage in the southern half of Administration Area of the BRAC parcel occurs via a similar system. Storm sewer mains in both the Maintenance and Supply Area and the Administration Area are constructed of predominantly vitrified clay. Stormwater drainage systems in both areas of the BRAC parcel direct runoff in a general northwest direction.

1.3.5 Groundwater

Groundwater flow at TEAD-N is part of a larger regional system that includes Rush and Tooele Valleys. Within this regional groundwater flow system, water migrates from areas of recharge to areas of discharge. The recharge areas generally lie along the edges of valleys and receive recharge from mountain streams. Discharge occurs in one of two ways, either by interconnections from adjoining flow systems or through evapotranspiration and surface water bodies.

Groundwater within TEAD-N occurs under confined, unconfined, perched, and mounded conditions. The potable water at TEAD-N is derived from the bedrock and alluvium aquifers. Groundwater flowing through the bedrock does so through fractured sandstone, quartzite, limestone, and dolomite. The alluvial groundwater flows through saturated fan deposits. These two groundwater sources consist of a single interconnected aquifer system.

The depth to potable groundwater under TEAD-N ranges from 200 to greater than 700 feet. This groundwater generally flows from the east and south toward the center of the valley and finally north toward the Great Salt Lake.

Groundwater contamination in an alluvial and bedrock aquifer has occurred at TEAD-N. The contamination resulted from the former operation of an industrial waste lagoon (IWL) and

unlined ditches which carried waste materials to the lagoon (Solid Waste Management Unit (SWMU) 2). The IWL is located northwest of the subject BRAC parcel. The resulting groundwater plume is situated in the northeastern portion of TEAD-N and subsequently underlies the subject BRAC parcel. The groundwater is contaminated with a variety of volatile organic compounds (VOCs), the most widespread of which is trichloroethylene (TCE).

Additional groundwater contamination has also been detected associated with former operations at the Sanitary Landfill (SWMUs 12 and 15) located to the south of the Maintenance and Supply Area of the BRAC parcel. The primary contaminant associated with the resulting plume is TCE. A relatively small groundwater plume is present beneath the Sanitary Landfill. This plume extends up into the southern portion of the Maintenance and Supply Area, where it coalesces with the southernmost portion of the plume associated with the IWL (REI, 1994b).

1.3.6 Flora and Fauna

Climate has had a profound influence on the flora of Tooele Valley. The lack of precipitation, low humidity, high summer temperatures, and light winds have forced plants to adapt to a very high rate of evapotranspiration. Soils are a significant determinant of flora in the area. Many plants have adapted to the soil conditions, including alkaline pH, saline content, low soil moisture content, lack of humus, high mineral ion content, and varying soil depths and types; but these factors also tend to limit the number of plants.

TEAD-N is in the area classified as an Artemisia Biome, which is characterized by sagebrush (Artemisia) and saltbrush, and can be divided into numerous range site types. Vegetation mapping indicates that three range site types comprise the BRAC parcel (REI, 1994a). The portion of the BRAC parcel that is located in the Maintenance and Supply Area has been characterized as Upland Stoney Loam (Pinon-Utah Juniper), which contains bluebunch wheatgrass, cheatgrass, mountain big sagebrush, Utah juniper, and yellowbrush. Important plant species include black sagebrush, bluegrass, and antelope bitterbrush. The portion of the BRAC parcel that is located in the Administration Area has been characterized as Upland Loam (Mountain Big Sagebrush) and Upland Gravelly Loam (Mountain Big Sagebrush), which contains mountain big sagebrush, rabbitbrush, bluebunch wheatgrass, antelope bitterbrush, and some Utah juniper. Important plant species are Indian ricegrass and bluegrass.

The condensed growth and reproduction periods of the plant communities in Tooele Valley limit the ecological niches available to animal species. Competition for food sources is severe during the hot, dry summer and winter dormancy periods. In addition, animals must adapt to these climatic conditions. They have adapted as hibernators, estivators, diurnals, or nocturnals, or have physiological adaptations that enable them to survive drought and heat, or cold and snow.

Approximately 127 wildlife species have been identified in the vicinity of TEAD-N, including 58 species of mammals and 63 species of birds. Six reptiles were also identified. No fish or amphibians were identified (REI, 1994a). Several species of game animals exist in the vicinity of TEAD-N. Mule deer, mountain cottontail, and desert cottontail inhabit the area. Fur-bearing animals include coyote and bobcat. Game birds include sage grouse, Gambel's quail, short-tailed grouse, blue grouse, ruffed grouse, and the imported ring-necked pheasant and chukar. In addition to the local game birds, there are 37 species of migratory waterfowl that use the flyways through the Depot. Several species have been eliminated from the areas, including bison, grizzly bear, elk, black bear, pronghorn antelope, and mountain sheep. The

mountain sheep, pronghorn antelope, and elk have been or are being reintroduced, mainly in the mountains (EA, 1988b).

There are 15 endangered, candidate, or sensitive wildlife species either known to occur or that potentially occur on TEAD-N. Eleven of these are protected by the Endangered Species Act of 1973, Section 668-668d (REI, 1994a). Nine endangered, candidate, or sensitive bird species have been either identified in the region or observed on the TEAD-N facility. Of these species, the bald eagle and the peregrine falcon are endangered species; all of the others are Federal Candidate Species (Category II). The golden eagle, which is protected under the Eagle Protection Act, has also been observed at TEAD-N. These protected species include the following:

- ◆ Bald eagle
- ◆ American peregrine falcon
- ◆ Western snowy plover
- ◆ White-faced ibis
- ◆ Swainson's hawk
- ◆ Western yellow-billed cuckoo
- ◆ Mountain plover
- ◆ Golden eagle

Additionally, two Federal candidate mammalian species, the Skull Valley pocket gopher and the spotted bat, may also occur on the site. Four Utah State sensitive species occur on the site either as permanent or seasonal residents, or they may potentially occur on the site. These species include mule deer, pronghorn antelope, sage grouse, and chukar.

1.3.7 Archeological Resources

Tooele Valley has supported four separate Indian cultures. The Early Desert Archaic culture inhabited the area some 11,000 years ago, followed by the Late Desert Archaic, Freemont, and Numic-speaking cultures.

The Freemont culture (circa 700 A.D. to circa 1400 A.D.) was the most important in the area from an archaeological perspective. The Freemonts were horticulturally oriented, augmenting their diet with hunting. Freemont hunting and recreational sites are located in the Sandy Hills Area. Pottery and bows and arrows were used by the Freemonts and some artifacts have been found in this area. The Freemonts set up a community on South Willow Creek with over 100 pit dwellings along the banks on land either owned or controlled in part by TEAD. Eight of the dwellings are within TEAD's perimeter fence and are relatively undisturbed. None of the dwellings inside the installation are located within the BRAC parcel, however. The dwellings outside of TEAD have been severely damaged by archaeological excavation in the past. An 80-acre reservoir is planned by the Utah Department of Natural Resources for South Willow Creek abutting TEAD. The planned reservoir would inundate the majority of the Freemont sites outside of TEAD (EA, 1988b).

The Numic-speaking culture (Shoshones) was the last Indian culture in the vicinity. This tribe appeared 100 to 200 years before the Freemont culture disappeared. The Numic-speaking culture, which was a more nomadic hunting culture than the Freemont peoples, adapted to the

increased aridity and still live nearby on the Goshute Reservation and the Skull Valley Indian Reservation (EA, 1988b).

A 4-foot high by 5-foot in diameter rock covered by petroglyphs in a deteriorated state was found in the northeast portion of TEAD-N, outside of the BRAC parcel. Although the petroglyph was found in an area of rock outcropping, no other petroglyphs have been found. In 1992, a cover was constructed over the rock to protect it from further deterioration. The petroglyph has been nominated for inclusion in the National Historical Register (EA, 1988b).

Additional traces of prehistoric habitation have recently been uncovered near the western boundary of TEAD-N, within the limits of the installation. The extent and importance of this site have not yet been determined (EA, 1988b).

2.0 SCOPE OF INVESTIGATION

The CERFA investigation for the BRAC parcel at TEAD-N is based upon document and map review; three site visits; interviews with installation, USAEC, and regulatory personnel; review of Federal, State, and local regulatory files; and review of title documents. These procedures are discussed in detail below.

2.1 DOCUMENT AND MAP REVIEW

As part of the CERFA investigation, all available reports related to the ongoing CERCLA and Resource Conservation and Recovery Act (RCRA) investigations were reviewed, as well as earlier environmental reports prepared for TEAD-N. Recent basic information maps provided by the installation were reviewed for information regarding surface water drainage and the location of wastewater pipelines. Historical maps were not available; however, EPA's (1982) photographic interpretation of TEAD-N was reviewed to determine possible areas of past use, storage, treatment, and disposal of potentially toxic and hazardous materials within the BRAC parcel. This study analyzed aerial photographs from 1953, 1959, 1966, and 1981 (EPA, 1982). Also, the Aerial Photographic Site Analysis of the BRAC parcel completed by Environmental Research Inc. (ERI) was reviewed (ERI, 1993). All maps and documents reviewed as part of the CERFA investigation are listed in Table 2-1.

The installation's spill report file and hazardous materials inventory and usage report (Appendix A) were reviewed. Hazardous waste manifest summaries and installation surveys for asbestos, PCBs, radon, and underground storage tanks (USTs) were also obtained and reviewed. These items are presented in the appendices of the ENPA for TEAD-N, also prepared by AGEISS, concurrent with the CERFA effort.

Additionally, TEAD-N radioactive material usage files for TEAD provided by the Army Environmental Health Laboratory and the Army Environmental Hygiene Agency were also reviewed during the CERFA investigation.

2.2 SITE VISITS

AGEISS conducted three site visits to TEAD-N, on October 12 through 14, 1993, October 25 through 28, 1993, and August 23, 1994, to obtain additional information through direct observation and interviews with personnel familiar with the property, its operations, and history. During the site visits, visual inspections of the BRAC parcel were conducted; documents and inventories available at the installation were obtained and reviewed; other relevant data from the State and county government regulatory agencies were obtained; and personnel interviews were conducted.

AGEISS inspected the 1,684 acre BRAC parcel via walking tours with installation personnel knowledgeable of the particular areas. Large open areas, such as the open storage lots (OSLs) and the open fields at the west end of the Maintenance and Supply Area, and the open field northeast of the Administration Area were not walked, but inspected by a windshield survey and aerial photograph review. Surrounding properties were inspected by conducting a windshield survey along BRAC parcel perimeter roads and by reviewing aerial photographs.

2.3 INTERVIEWS

Installation and USAEC personnel, and Federal, State, and local regulators were interviewed regarding current and historical operations, violations, permits, etc. Numerous installation personnel were interviewed. A relatively small number of people who have worked at TEAD-N

Date	Title	Author
December 1979	Installation Assessment Report of Tooele Army Depot	U.S. Army Toxic and Hazardous Materials Agency
January 1982	Installation Assessment Tooele Army Depot (North Area), Utah (Aerial Photographs)	EPA
October 1982	Assessment of Environmental Contamination Exploratory Stage - Tooele Army Depot, Tooele, Utah	Earth Technology Corporation
December 1987	Draft Interim RCRA Facility Assessment Report Tooele Army Depot - North Area	NUS
December 1988	Tooele Army Depot Preliminary Assessment/Site Investigation Final Report	EA Engineering, Science, and Technology, Inc.
April 1989	Corrective Action Plan for Ground-Water Remediation Tooele Army Depot, Utah	U.S. Army Corps of Engineers
December 1990	Task Order 9 Final Remedial Investigation Report for Tooele Army Depot - North Area	Roy F. Weston
February 15, 1991	Final Groundwater Quality Assessment for Tooele Army Depot	Environmental Science & Engineering, Inc.
February 1991	Final Asbestos Survey Report for Tooele Army Depot, Tooele, Utah	Pickering Environmental Consultants, Inc.
April 1991	TEAD Basic Information Maps	TEAD Office of the Facilities Engineer
May 28, 1991	Memorandum on Groundwater Discharge Points	TEAD Environmental Office
July 31, 1991	Results of Radon Monitoring Program	TEAD Safety Office
August 1991	Tooele Army Depot Groundwater Remediation Program Air Stripper System Specifications	Metcalf & Eddy
November 1991	Final Tooele Army Depot - North Area Known Releases RCRA Facility Investigation - Phase I	Advanced Sciences, Inc.
June 1992	Tooele Army Depot Hazardous Waste Management Plan	TEAD Environmental Office
September 1992	Hazardous Waste Contingency Plan for TEAD-N	TEAD Environmental Office
October 1992	Public Law 102-426, CERFA	U.S. Congress
February 1993	RCRA Facility Investigation Phase II Final Data Collection Quality Assurance Plan for Known Release SWMUs Tooele Army Depot - North Area	SEC Donohue, Inc.
June 21, 1993	Tooele Army Depot Environmental Compliance Assessment System Audit	TEAD Directorate of Industrial Risk Management
July 1993	Tooele Army Depot - North Groundwater Remediation Program Extraction Well Work Plan	Metcalf & Eddy
July 1993	The Development and Implementation of a Hydrogeologic Flow Model for Application to a Pump and Treatment System, Tooele Army Depot, UT	U.S. Army Corps of Engineers

NOTE: An acronym list is provided on the last page of this table.

Table 2-1. List of Maps and Documents Reviewed for TEAD-N CERFA Investigation.

Date	Title	Author
Updated as of July 1993	TEAD Air Management Unit List	TEAD Environmental Office
July 13, 1993	1993 Annual PCB/PCB-Contaminated Transformer Audit Inspection	TEAD Environmental Office
August 1993	Final Phase I RCRA Facility Investigation Report, Tooele Army Depot - North Area Suspected Releases SWMUs	Montgomery Watson
August 24, 1993	Memorandum on Identification of 90 Day and Satellite Accumulation Areas at Tooele Army Depot - North Area	TEAD Environmental Office
September 1, 1993	CERFA Guidance Letter #1	USAEC
Updated as of September 13, 1993	CERCLIS Site Listing	EPA
September 20, 1993	CERFA Parcelization Guidelines	USAEC
September 21, 1993	CERFA Map Table Guidelines	USAEC
September 22, 1993	CERFA Guidance Letter #2	USAEC
September 29, 1993	Memorandum from Major Paul E. Wojciechowski to Earth Technology Corporation	USAEC
Updated as of October 1993	Building Information Schedule	TEAD Office of the Facilities Engineer
Updated as of October 7, 1993	Tooele Army Depot North RCRA Index	Utah Department of Health Compliance Branch
Updated as of October 7, 1993	Spill Report Printout	TEAD Environmental Office
Updated as of October 12, 1993	Tooele Army Depot - North Area Hazardous Materials Printout	TEAD Environmental Office
Updated as of November 2, 1993	Tooele Army Depot - North Area Hazardous Waste Manifest Printout	TEAD Environmental Office
No date available	CERFA Guidance Letter #3	USAEC
No date available	CERFA Guidance Letter #4	USAEC
No date available	Summary of Excess Property Planning for BRAC 93 Impacts on Tooele Army Depot	USAEC
December 1993	Aerial Photographic Site Analysis, BRAC Parcel, Tooele Army Depot North, Utah	Environmental Research, Inc.
January 24, 1994	Standardized CERFA Report Sections	USAEC
February 1994	Tooele Army Depot - North Area Final Remedial Investigation Report for Operable Units 4-10	Rust Environment and Infrastructure
March 24, 1994	CERFA Guidance Letter #5	USAEC
March 31, 1994	Additional Standard CERFA Report Section	USAEC

NOTE: An acronym list is provided on the last page of this table.

Date	Title	Author
August 1994	Tooele Army Depot - North Area Final Draft RCRA Facilities Investigation Report, Phase II Study, Known-Releases SWMUs, Volume I	Rust Environment and Infrastructure
Various	Radioactive Material Usage Files for Tooele Army Depot	U.S. Army Environmental Health Laboratory and U.S. Army Environmental Hygiene Agency

BRAC Base Realignment and Closure
 CERCLIS Comprehensive Environmental Response,
 Compensation, and Liability Information
 System
 CERFA Community Environmental Response
 Facilitation Act
 EPA U.S. Environmental Protection Agency

PCB
 RCRA
 SWMU
 TEAD
 TEAD-N
 USAEC

Polychlorinated biphenyl
 Resource Conservation and Recovery Act
 Solid Waste Management Unit
 Tooele Army Depot
 Tooele Army Depot-North Area
 U.S. Army Environmental Center

for a considerable length of time were interviewed and provided the majority of information regarding the BRAC parcel. Recent downsizing at the installation, has resulted in the elimination of many jobs; therefore, additional personnel with long-term experience were unavailable.

Mr. Larry McFarland, the BRAC Environmental Coordinator for TEAD, provided general environmental information for the entire BRAC parcel. Mr. Lloyd Laycock, Consolidated Maintenance Facility (CMF) Common Area Project Manager, provided very useful historical information regarding the heavy industrial areas located at the south end of the Maintenance and Supply Area. Ms. Judy Holman, a process planner for hazardous materials that has worked at TEAD-N for 14 years, provided much of the information regarding the warehouses and storage facilities at the north end of the Maintenance and Supply Area. Mr. Pat Sullivan, a chemical engineer who supervises the operation of the Industrial Wastewater Treatment Plant (IWTP), provided information regarding the operation of this facility, as well as other facilities operations in the Maintenance and Supply Area. A list of all personnel interviewed is provided in Table 2-2.

2.4 REGULATORY RECORDS

The regulatory status of the BRAC parcel at TEAD-N was examined to determine the existence of and compliance with, for example, consent decrees, permits, injunctions, restraining orders, and memoranda of understanding or agreement. As part of this process, AGEISS reviewed the following regulatory files and interviewed various personnel from the following offices:

Federal Regulatory Review:

- ◆ EPA Region VIII CERCLA office
- ◆ EPA Region VIII RCRA office
- ◆ EPA Region VIII Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) Database
- ◆ NPL
- ◆ Emergency Response Notification System (ERNS) Database
- ◆ Resource Conservation and Recovery Information System (RCRIS) Notifiers List

State Regulatory Review:

- ◆ State of Utah's CERCLA office
- ◆ State of Utah's RCRA office
- ◆ State of Utah's leaking underground storage tank (LUST) and UST files

Local Regulatory Review:

- ◆ Tooele County Health Department (TCHD) office
- ◆ Tooele County Department of Engineering office
- ◆ City of Tooele Engineer's office

Table 2-2. List of People Interviewed for TEAD-N CERFA Investigation.

Page 1 of 2.

No.	Date	Name	Title	Organization
1	10/12/93	Larry McFarland	BRAC Environmental Coordinator	TEAD - Environmental Office
2	10/12/93	Larry Fisher	Environmental Engineer	TEAD - Environmental Office
3	10/12/93	Walton Levi	Environmental Engineer	TEAD - Environmental Office
4	10/12/93	Mike Strong	Environmental Engineer	TEAD - Environmental Office
5	10/12/93	Dean Higley	Environmental Engineer	TEAD - Environmental Office
6	10/12/93	Al Porter	Program Analyst	TEAD - Environmental Office
7	10/13/93	Diana Lujan	Supervisor - Bldg. 1000	TEAD
8	10/13/93	David Wayland	Technician - Bldg. 1011	TEAD
9	10/13/93	Sergeant Dennison	NA	Utah National Guard
10	10/13/93	Julie Robbins	Hazardous Waste Specialist - Bldg. 615	TEAD
11	10/13/93	Max Schiess	Environmental Protection Specialist	TEAD - Environmental Office
12	10/14/93	Monty Rashwan	Environmental Engineer	TEAD - Environmental Office
13	10/14/93	Dave Bleazard	Chief, Planning Branch	Defense Logistics Agency
14	10/14/93	Ron Levitt	Warehousing Foreman	Defense Logistics Agency
15	10/14/93	Pat Neugent	Warehouseman - Bldg. 659	Defense Logistics Agency
16	10/14/93	Judy Holman	Process Planner for Hazardous Materials	Defense Logistics Agency
17	10/14/93	John Harless	Front Desk Clerk - Bldg. 1004	TEAD
18	10/21/93	Bryce Christansen	Radiation Protection Officer	TEAD - Safety Office
19	10/13/93	Brad Maulding	Compliance Specialist - RCRA	State of Utah RCRA Office
20	10/13/93	Dave Larson	TEAD Lead - RCRA	State of Utah RCRA Office
21	10/13/93	Donald Jones	Plant Manager	TEAD - Vehicle Remanufacturing Facility
22	10/13/93	Richard Perrella	Hazardous Waste Specialist - Bldg. 619 & 602	TEAD
23	10/13/93	Jerry Dugdale	Hazardous Waste Specialist - Bldg. 612	TEAD
24	10/13/93	Ruth Olson	Assistant to L. Laycock	TEAD
25	10/13/93	Lloyd Laycock	Consolidated Maintenance Facility Common Area Project Manager	TEAD
26	10/14/93	Mike Powell	Manager - Battery Repair and Charging Shop	TEAD

Note: An acronym list is provided on the last page of this table.

Table 2-2. List of People Interviewed for TEAD-N CERFA Investigation.

No.	Date	Name	Title	Organization
27	10/15/93	Nancy Johnson	Records Specialist	State of Utah CERCLA and Environmental Response Branch
28	10/25/93	Steve Cash	General Engineer	TEAD - Facilities Office
29	10/25/93	Dorinda Benson	Real Property Technician/Specialist	TEAD - Facilities Office
30	10/25/93	Bob Kinsinger	Mechanical Engineer	TEAD - Facilities Office
31	10/25/93	Robert Marshall	Engineering Technician	TEAD - Facilities Office
32	10/25/93	Randy Tyler	Civil Engineer	TEAD - Facilities Office
33	10/25/93	Pat Sullivan	Chemical Engineer	TEAD - Facilities Office
34	10/25/93	Tom Ware	Utilities Branch Chief	TEAD
35	10/25/93	Roy Fraiser	Depot Photographer	TEAD - Photo Lab
36	10/25/93	Red Ridder	DRMO Assistant	TEAD
37	10/25/93	Louis Brems	Chief, DRMO Operations	TEAD
38	10/26/93	Brian Slade	Environmental Health Scientist	TCHD
39	10/26/93	J. Raymond Johnson	Professional Engineer, Director	Tooele County Department of Engineering
40	10/27/93	Various Clerks	Engineer's Assistants	City of Tooele Engineer's Office
41	10/28/93	Anne Kelly	Database Coordinator	TEAD - Environmental Office
42	10/07/93	Henry Schroeder	TEAD CERCLA Lead/Remedial Project Manager	EPA Region VIII CERCLA Office
43	10/07/93	Stan Zanistowski	TEAD RCRA Lead	EPA Region VIII RCRA Office
44	10/26/93	Bob Pannunzio	Boiler Plant Operator	TEAD
45	10/26/93	Gary Poloskey	Plumber	TEAD
46	11/10/93	Jeff Coombs	Inspector	TCHD
47	11/08/93	Russ Flint	Hazardous Waste Manifest Coordinator	TEAD-DRMO

Bldg.	Building
BRAC	Base Realignment and Closure
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERFA	Community Environmental Response Facilitation Act
DRMO	Defense Reutilization and Marketing Office
EPA	U.S. Environmental Protection Agency
NA	Not Available
No.	Number
RCRA	Resource Conservation and Recovery Act
TCHD	Tooele County Health Department
TEAD	Tooele Army Depot
TEAD-N	Tooele Army Depot-North

2.4.1 Federal Regulatory Review

EPA Region VIII CERCLA and RCRA files for TEAD-N were reviewed in order to identify any violations or other concerns that had not been previously identified. Additionally, EPA Region VIII's CERCLIS database was accessed to identify any nearby sites found on the CERCLA data system. This database tracks sites that are usually abandoned or inactive hazardous waste sites that are being reviewed to determine the extent of public hazard. Seven CERCLIS sites, excluding TEAD-N and Tooele Army Depot - South Area (TEAD-S), were identified in the TEAD-N zip code. None of the sites are located within 1 mile of the BRAC parcel. As such, any potential contamination associated with these sites is not expected to impact the BRAC parcel. A printout provided by EPA substantiating this information is included in Appendix B of the CERFA report. The NPL was also reviewed to identify any nearby Superfund sites, those that are determined by EPA to pose an immediate public health hazard. No Superfund sites were found within a 1-mile radius of TEAD-N.

Information provided by the EPA ERNS, a database housing information on hazardous spills nationwide, was also reviewed. This information is based on reports filed by local agencies such as fire and police; county agencies; State entities; and Federal agencies, such as the Coast Guard, the National Response Center, and EPA. One site, ERNS Case #89857, involved a railroad tanker car which leaked 100 gallons of hydrochloric acid adjacent to the northeast side of TEAD-N, within 1 mile of the BRAC parcel. Further investigation of this spill via an interview with Mr. McFarland indicated that the spill, which occurred in 1989, was cleaned up by emergency response crews and therefore should be of no impact to the BRAC parcel. A second spill, ERNS Case #930193, involving a release of approximately 100 gallons of diesel fuel, reportedly occurred along the same railroad near the northern entrance to TEAD-N. Since this release occurred downgradient of the installation, impact to TEAD-N is not anticipated, despite the close proximity of the spill. The location of a third spill, ERNS Case #86464, was noted but could not be specifically located in reference to the BRAC parcel. Mr. McFarland is unaware of any reported impact to the BRAC parcel from either of these ERNS cases, however. The ERNS printout for Tooele County, UT is included in Appendix B of this report.

The EPA Facility Index Related Systems (FINDS) report, an index of related environmental databases, was also reviewed as a cross reference to determine if any other sites were documented that may be impacting the BRAC parcel. Two additional sites of potential concern were noted on this list; however, the nature of the facilities involved and their locations in reference to the BRAC parcel could not be determined. Mr. McFarland is unaware of any reported impact to the BRAC parcel from these two additional sites. The FINDS list is also included in Appendix B of this report.

The EPA RCRIS database was accessed to obtain the RCRIS Notifier List. Twenty-four facilities were identified within TEAD-N's zip code; however, only one of these facilities, Glen's Excavating and Grading, Inc., is located in the vicinity of the BRAC parcel. This facility is located north of Farm Road 112 at the north end of TEAD-N's Maintenance and Supply Area. Within RCRIS, Glen's Excavating and Grading, Inc. is identified as a very small quantity generator (less than 100 kilograms hazardous waste per month) and a hazardous waste transporter. The RCRIS Notifiers List obtained as part of this CERFA investigation is provided in Appendix B.

In addition, Mr. Henry Shroeder, the EPA Region VIII CERCLA lead and Remedial Project Manager for TEAD, and Mr. Stan Zawistowski, the EPA Region VIII RCRA lead for TEAD were interviewed during the CERFA investigation. Neither Mr. Shroeder or Mr. Zawistowski was aware of any violations or other concerns regarding the BRAC parcel or the surrounding vicinity which were not previously identified in TEAD-N IRP documents reviewed during the CERFA investigation. The RCRA Index for TEAD-N was also obtained from EPA Region VIII; however, no significant information in addition to that presented in IRP documents was discovered.

2.4.2 State Regulatory Review

Various personnel in the State of Utah's RCRA and CERCLA offices were also interviewed during the CERFA investigation to determine if violations or other concerns exist in the BRAC parcel or the surrounding vicinity which were not previously identified in TEAD-N IRP documents. Specifically, Mr. Brad Maulding, a State of Utah RCRA compliance specialist, and Mr. Dave Larson, the State of Utah RCRA lead for TEAD were interviewed on October 13, 1993. Ms. Nancy Johnson, a records specialist for the State of Utah CERCLA and Environmental Response Branch (which includes the UST division) was interviewed on October 15, 1993.

Mr. Maulding indicated that all of the previous violations and other concerns that he was aware of regarding TEAD-N were already being addressed by the IRP process. Mr. Maulding did note that salvage yards such as the one adjacent to the BRAC parcel may produce contamination; however, Mr. Maulding also noted that at the time of the CERFA investigation, no records documenting public concerns, potential hazardous releases, or other violations associated with any of the salvage yards in the vicinity of the BRAC parcel were present in the State of Utah RCRA files for these facilities. A windshield survey was performed to inspect the salvage yard adjacent to the BRAC parcel, and additional installation, Federal, State, and Local (including the TCHD) regulatory personnel interviews and file searches were performed to further investigate that potential for salvage yard contamination entering the BRAC parcel. No evidence of any potential salvage yard contamination entering the BRAC was discovered during this exhaustive search, therefore, operations at the adjacent salvage yard were not considered to be impacting the BRAC parcel.

During a supplemental phone conversation on October 26, 1993, Mr. Larson noted that additional areas of environmental concern located within the BRAC parcel were identified during a site visit performed the week of October 18, 1993. Specifically, these areas include portions of the industrial wastewater system which connect structures in the Maintenance and Supply Area to the upgraded wastewater distribution system. These portions of the system have not been upgraded and their integrity is therefore suspect. The State of Utah has recently designated the old wastewater distribution system part of SWMU 49. Reportedly, the potential for drainage of industrial effluent directly into the stormwater system was also noted in some Administration Area structures during the October 18, 1993 site visit by the State, including the photographic laboratory and the print shop; however, further investigation indicates that these discharges are within permit-specified limits. These concerns have been addressed in this CERFA report and the accompanying ENPA report, as appropriate.

Ms. Johnson indicated that there is no documentation of emergency response actions for TEAD-N. Ms. Johnson also provided a CERCLIS printout for the State of Utah. No off-post CERCLIS sites were noted within 1 mile of the BRAC parcel boundary.

In addition to these interviews, relevant State of Utah RCRA and CERCLA files were also reviewed to identify any violations or other concerns that had not been previously identified. The result of the State of Utah RCRA and CERCLA files search did not indicate additional areas of concern not already addressed by the IRP process.

Ms. Johnson also performed a search of Utah's LUST and UST databases to determine the status of tanks in the vicinity of TEAD-N. Several USTs are located within the Tooele city limits. Several USTs associated with the Tooele County Department of Transportation shop and the Tooele School District bus garage have been present throughout time approximately 1 mile north-northeast of the BRAC parcel. However, based on this cursory review of available information, none of the documented LUSTs in the greater Tooele area appear to be impacting the BRAC parcel.

2.4.3 Local Regulatory Review

Mr. Brian Slade and Mr. Jeff Coombs of the TCHD were interviewed during the CERFA investigation to verify that all TEAD-N incidents, violations, and other environmental concerns that the health department is aware of, have been addressed by the IRP process. These TCHD personnel were also consulted to determine whether any of the local industries surrounding TEAD-N may be impacting the BRAC.

Mr. Slade, an environmental health scientist with the TCHD, was interviewed on October 26, 1993. He was not aware of any TEAD-N incidents, violations, or other concerns not already addressed by the IRP process. He was also unaware of any privately-owned industrial facilities along the perimeter of TEAD-N which were potentially impacting the BRAC parcel, as surrounding facilities at which contamination is suspected (such as the old Tooele County Landfill) are located downgradient of the BRAC parcel, and are therefore not expected to be impacting the subject property. Occasional elevated particulate matter-10 emissions from the cement plant operated by Glen's Excavating & Grading, Inc. located north of the BRAC parcel, have been documented by the TCHD. These emissions are typical of such an operation, and any potential impact to the BRAC parcel is not considered significant by the TCHD. According to Mr. Slade, the remaining industries which surround the BRAC, including those within the Tooele Industrial Park (which borders the Maintenance and Supply Area to the east-northeast), either do not conduct operations which typically generate contamination, or are relatively new, modern facilities where releases of contaminants are not suspected. Mr. Slade was unaware of any public concerns, environmental investigations, potential hazardous releases, or other violations associated with the salvage yards adjacent to the BRAC parcel. Mr. Slade was also unaware of any contamination to the BRAC parcel produced by truck or rail spills documented by the TCHD. According to Mr. Slade, the USTs associated with the Tooele County Department of Transportation shop and the Tooele School District bus garage have been upgraded and are therefore presumed to be intact and free of leaks.

Mr. Coombs, a TCHD inspector, was interviewed during a brief phone conversation on November 10, 1993 to provide additional detail regarding the issues discussed during the previous interview with Mr. Slade. Mr. Coombs stated that confirmed petroleum releases have occurred at the Tooele County Department of Transportation shop and the Tooele School District bus garage; however, impact to the BRAC parcel is not suspected, as these tanks are located approximately 1 mile to the north-northeast, and adequate remediation and upgrades have since taken place. Mr. Coombs also stated that the most significant potential receptors of contamination in the vicinity of the BRAC parcel are residents and industries with water

wells downgradient of the plume beneath TEAD-N's Maintenance and Supply Area. The Glen's Excavating & Grading, Inc. cement plant reportedly owns the off-post well closest to the current boundaries of the plume. Three Grantsville municipal water wells are located further downgradient. However, the newly operational pump and treat system installed to stop migration of the plume should prevent contamination of downgradient water sources. According to Mr. Coombs, TCHD will monitor the effectiveness of the system to insure that the plume is not impacting downgradient receptors.

Mr. J. Raymond Johnson, Director of the Tooele County Department of Engineering, was interviewed briefly on October 26, 1993 to determine the status of the Tooele County Landfill. Mr. Johnson stated that closure of the old landfill (approximately 2 miles downgradient of the BRAC parcel) is scheduled to be completed in 1994. He is not aware of any environmental sampling that has been conducted in support of this closure. The new landfill for Tooele County will be constructed upgradient of the BRAC parcel; however, it is not in close proximity to the depot and is not expected to impact TEAD-N. In addition, the new facility will be primarily a transfer station, and will be constructed in accordance with all applicable Federal, State, and local regulations, essentially eliminating the potential for impact to the BRAC parcel in the future.

2.5 TITLE DOCUMENTS

AGEISS conducted a review of tract maps and transfer documents provided by the U.S. Army Corps of Engineers to identify the prior property owners of the BRAC portion of TEAD-N at the time of its transfer to the Army. The purpose of this review was to collect additional information concerning the property's prior use and environmental condition at the time of its transfer to the Army. No information indicating that environmentally significant operations were associated with prior BRAC parcel land use was noted during this review. Previous ownership and the dates of transfer to the Army are indicated on Figure 5-1.

3.0 PROPERTY BACKGROUND INFORMATION

This section provides an historical overview of TEAD-N, detailed descriptions of the BRAC parcel, and a summary of the applicable environmental investigations.

3.1 HISTORICAL BACKGROUND

TEAD was established in 1942 as the Tooele Ordnance Depot by the Army Ordnance Department. TEAD-N was redesignated as such in 1962. Both the North and South Areas of TEAD are major ammunition storage and equipment maintenance installations that support other installations throughout the western U.S. The first mission for Tooele Ordnance Depot was to store vehicles, small arms, and fire control equipment for export. Other mission functions included overhauling and modifying tanks and track vehicles and their armaments. In general, Tooele was designated as a backup depot for Stockton Ordnance Depot and Benicia Arsenal, both in California.

In 1970, TEAD-N assumed maintenance mission responsibilities for topographic equipment, troop support items, construction equipment, power generators, and serviceable assets from the Granite City Army Depot in Illinois which was subsequently closed. In the 1980s, the maintenance missions at TEAD included the repair of tactical wheeled vehicles and power generation equipment. Along with these missions, all the secondary items of the components were rebuilt including engine and power trains. Approximately 4,500 engines and 12,000 power train components were overhauled each year.

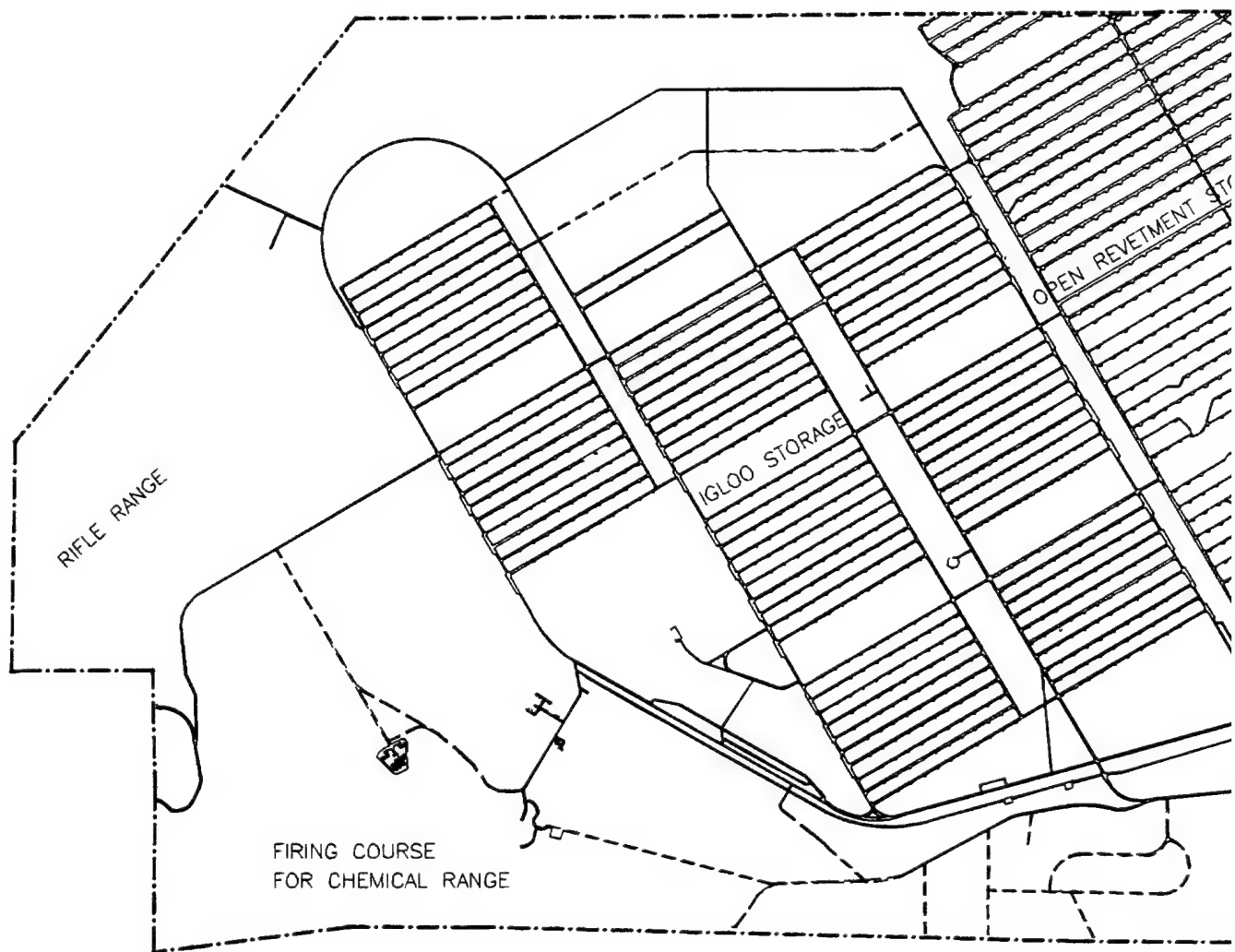
The current mission of TEAD-N is to receive, store, issue, maintain, and dispose of munitions; to provide equipment maintenance and repair; to provide installation support to attached organizations; and to operate other facilities as assigned. TEAD-N covers an area of about 24,732 acres, and developed features include igloos, magazines, administrative buildings, industrial-maintenance areas, military and civilian housing, roads, hardstands for vehicle storage, and other allied infrastructure.

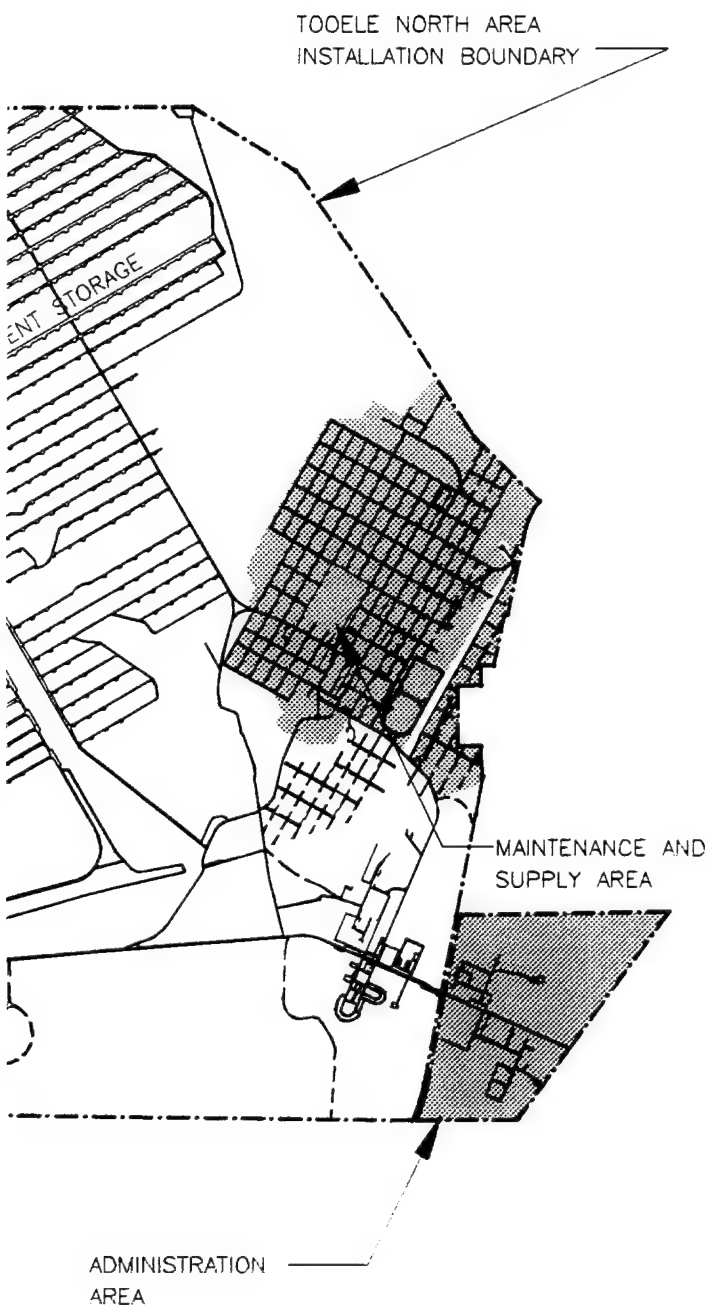
3.2 DESCRIPTION OF BRAC PARCEL

The BRAC parcel that is the subject of this investigation is actually two geographically discrete parcels located within the industrialized land in the northeastern portion of TEAD-N. The largest parcel (approximately 1,189 acres) covers most of the Maintenance and Supply Area, while the smaller parcel (approximately 495 acres) is located in the Administration Area (Figure 3-1). The BRAC parcel contains many buildings and storage facilities, as discussed below and listed in Table 3-1. The TEAD Maintenance Mission, the Defense Logistics Agency, and the DRMO operate within the BRAC parcel.

3.2.1 Maintenance and Supply Area

The BRAC parcel that lies within the Maintenance and Supply Area contains the following facilities: OSLs, storage warehouses, CMF, various maintenance facilities, Solvent Recovery Facility, DRMO, IWTP, Combat Vehicle Test Facility, 90-Day Drum Storage Area, and other drum storage areas, including the Hazardous Materials Storage Area.





LEGEND



BRAC Parcel Area

--- Installation Boundary

— Roads and Parking

--- Trail and Earth Road



SCALE



FEET

SOURCE: Office of the Facilities Engineer, 1991
(modified)
Tooele Army Depot
Tooele, Utah

Prepared for:

U.S. Army Environmental Center

Date Revised: 09/28/94
I:\AEC_TEP\DD1\FINAL.CER\CADGIS\CF3-1.DWG

Figure 3-1

BRAC Parcel

Prepared by: AGEISS Environmental, Inc.

FINAL

Table 3-1. Buildings and Facilities within the BRAC Parcel.

Bldg. No.	Use/Name	Year Built
100	Inspection Center	1992
S-101	Reserve Component	1945
S-103	Post Chapel	1943
S-104	Pub and MARTEC Cleaning Service Headquarters	1943
S-108	Dining Hall	1981
109	Administration and Support Building	1985
S-110	Administration Building	1943
S-111	Barracks	1943
112	Officer's Quarters	1985
S-113	Environmental Management Office	1943
114	Barracks	1985
S-115	Industrial Risk Management Directorate Office	1943
116	Barracks	1985
S-117	Administration Building: Safety Office	1943
S-118	Barracks	1943
S-119	Barracks	1943
S-120	Barracks	1943
S-121	Barracks	1943
S-122	Barracks	1943
S-123	Administration and Support Building	1943
S-124	Barracks	1943
S-125	Administration and Support Building	1943
S-126	Barracks	1943
S-139	Officer's Quarters	1985
S-141	Barracks	1943
S-143	Barracks	1943
S-145	Barracks	1943
S-147	Administration and Support Building	1943
S-149	Administration and Support Building	1943
S-150	Barracks	1943
S-151	Barracks	1943
S-152	Barracks	1943
S-153	Post Exchange	1945

NOTE: An acronym list is provided on the last page of this table.

Table 3-1. Buildings and Facilities within the BRAC Parcel.

Bldg. No.	Use/Name	Year Built
S-155	Bowling Center	1945
S-159	Trap and Skeet Range Shed	1957
160	Skeet Release Structure	1981
161	Trap and Skeet Range Shed	1981
162	Trap Release Structure	1981
163	Trap and Skeet Range Shed	1981
250	Water Tank	NA
253	Water Tank	NA
576	Hazardous Materials Storage Warehouse	1962
581	Water Tank	NA
582	Fuel Oil Tank	NA
586	Topographic Test Range Station	1970
587	Vehicle Remanufacturing Shop	1971
588	Office at 90-Day Yard	1987
T-589	Hazardous Materials Office	1968
S-590	Technical Procedures Development Shop	1943
S-592	NA	1943
S-593	Concrete arch over railroad tracks	NA
S-595	Administration	1944
596	Power Substation	NA
597	Compressor Room	1963
600	General Purpose Maintenance Shed	1943
600-A	Vacant/Parts Storage Facility	NA
600-B	Storage Warehouse	NA
600-C	Solvent Recovery Facility	1988
S-601	Restricted Access/Maintenance Facility	1943
602	Maintenance Facility/vehicle parts lubrication and preservation	1943
603	Tire Repair and Recapping Shop	1943
S-604	Power Train Rebuild Shop	1943
S-605	Silk Screen Shop; Dark Room; Print Shop	1943
S-606	Boiler Plant	1943
607	Maintenance and Repair Shop	1943
S-608	Machining and Welding Shop	1943

NOTE: An acronym list is provided on the last page of this table.

Table 3-1. Buildings and Facilities within the BRAC Parcel.

Bldg. No.	Use/Name	Year Built
S-609	Maintenance Facility: steam cleaning; metal stripping; radiator repair shop	1943
S-610	Boiler Plant	1943
S-610A	Wash Facility	1992
S-611	Vacant Maintenance Facility: vapor degreasing, cleaning, and lubricating parts; paint shop; small arms firing range	1943
S-611A	Pump Station	1977
612	Paint Shop	1943
613	Sheet Metal Shop	1943
613A	General Storage Shed	1942
S-614	Maintenance Facility: Etching and rinsing plates; Administration	1943
615	Maintenance Facility: Metal stripping, cleaning, anodizing and electroplating; vapor-degreasing; spray painting	1956
615C	Storage Shed	NA
615D	Paint Storage	NA
615-PI	NA	1943
S-616	Union Offices	1943
S-617	Electrical Shop; Millwrights Shop	1943
S-618	Lunch Room	1943
618-A	Concrete Slab	NA
619	Vehicle Manufacturing Facility	1943
S-620	Battery Repair and Charging Shop	1943
S-621	Carpentry Shop	1943
S-621R	Change House	NA
622	Credit Union	1977
623	Chromic Acid/Alodine Drying Beds	NA
624	Maintenance Shed	1966
626	Combat Vehicle Test Track	NA
626F	Boat Testing Pool	NA
627	Change House; Lunch Room	1973
628	Cable House	1943
S-629	Gas Station Complex	1943
S-630	Shipping & Receiving	1943
S-631	Shipping & Receiving	1943

NOTE: An acronym list is provided on the last page of this table.

Bldg. No.	Use/Name	Year Built
S-631R	Change House	NA
632	Structure Associated with Recycled Water Tank	1992
633	Concrete Vehicle Ramp	NA
637-A	NA	1943
637-B	NA	NA
637-C	NA	NA
S-637	Engine Rebuild Facility	1943
S-638	Storage Shed	1962
S-639	Body Shop; Steam Cleaning	1943
S-640	General Purpose Warehouse	1943
S-641	General Purpose Warehouse	1943
S-641R	Change House	NA
S-647	Vehicle Storage; Vacant Paint Shop	1943
S-647R	Change House	NA
S-649	General Purpose Warehouse	1943
S-650	General Purpose Warehouse	1943
S-651	General Purpose Warehouse	1943
S-651R	Change House	NA
653	Concrete Vehicle Ramp	NA
655	Transportation Offices; Lunch Room	1968
656	Standby Generator	1976
S-657	General Purpose Warehouse; Vehicle Storage Facility	1943
S-657R	Change House	NA
S-659	General Purpose Warehouse	1943
S-660	General Purpose Warehouse	1943
S-661	General Purpose Warehouse	1943
S-661R	Change House	NA
S-667	General Purpose Warehouse; Vehicle Storage Facility	1943
S-667R	Change House	NA
S-669	General Purpose Warehouse; Vehicle Storage Facility	1943
S-670	General Purpose Warehouse	1943
S-671	Administration	1943
S-672	Administration; Lunch Room	1957

NOTE: An acronym list is provided on the last page of this table.

Table 3-1. Buildings and Facilities within the BRAC Parcel.

Bldg. No.	Use/Name	Year Built
673	Concrete Vehicle Ramp	NA
S-674	NA	NA
S-675	General Storehouse	1948
S-676	Covered Walkway	NA
S-677	General Purpose Warehouse	1943
S-677R	Change House	NA
S-679	General Purpose Warehouse	1943
S-687	General Purpose Warehouse; Vehicle Storage Facility	1943
S-687R	Change House	NA
S-689	General Purpose Warehouse; Vehicle Storage Facility	1943
690	Storage Shed	NA
691	Vehicle Rebuild	1983
693	Concrete Vehicle Ramp	NA
S-694	Change House	1977
S-697	General Purpose Warehouse; Vehicle Storage Facility	1943
S-699	General Purpose Warehouse; Vehicle Storage Facility	1943
710	Wastewater Treatment Plant: Inflow Pumphouse	1987
711	Wastewater Treatment Plant: Emergency Power Generation Station	1987
712	Wastewater Treatment Plant: Treated Water Outflow Pumphouse	1987
713	Wastewater Treatment Plant: Contractor Structure Housing Air Strippers and Other Equipment (not owned by the government)	1987
714	Wastewater Treatment Plant: Hazardous Materials Storage (not owned by the government)	1987
715	Wastewater Treatment Plant: 90-Day Storage Yard	1987
716	Wastewater Treatment Plant: Process/Treatment Equipment	1993
S-735	Flammable Materials Storehouse	1944
S-752	Vacant/Instrument Building	1964
S-753	Vacant Office/Instrument Building	1944
804-928	125 Round Tanks - Vehicle Storage	1947
1000	Police Station; Aces Facility; Administration; Print Plant; Photo Lab	1943
1001	Administration	1943
1002	Gymnasium	1943
1004	Arts & Crafts Center	1943

NOTE: An acronym list is provided on the last page of this table.

Bldg. No.	Use/Name	Year Built
1005	Auditorium	1943
1006	Pump Station	1943
1008	Recreation Building	1978
1009	Oquirrh Travel Camp	NA
1010	Credit Union	1972
1011	Recreation Building	1981
1020	Swimming Pool	NA
1110	Recreation/Stables	1979
1111	Recreation/Stables	1968
1112	Recreation/Stables	NA
NA	Skeet and Trap Range	NA
NA	Concrete Slab	NA
NA	Tooele Valley High School	NA
NA	Utah National Guard	NA
2000	DRMO: Storage Shed	1976
2001	DRMO: Storage Shed	1976
2002	DRMO: Storage Shed	1976
2003	DRMO: Hazardous Materials Storage	1976
2004	DRMO: Saleable Items Warehouse	1976
2005	DRMO: Saleable Items Warehouse	1976
2006	DRMO: Salvage & Surplus Property	1976
2007	DRMO: Salvage & Surplus Property	1976
2008	DRMO: Saleable Items Warehouse	1958
S-2009	DRMO: Property Management Branch Office	1958
S-2010	Administration	1986
2011	DRMO: Paperwork Archiving	1946
2012	DRMO: Auction House	1943
2013	DRMO: Inert Ordnance Storage	1962
2014	Open Storage	NA
2015	Open Storage	NA
2016	Scale House	1981
2020	Reutilization Office	1989
S-2025	90-Day Hazardous Waste Storage Building	1943

NOTE: An acronym list is provided on the last page of this table.

Table 3-1. Buildings and Facilities within the BRAC Parcel.

Bldg. No.	Use/Name	Year Built
NA	Consolidated Maintenance Facility	1992
NA	25 Ton Bridge Crane	NA
OSL 509 (1-6)	Open Storage	NA
OSL 605 (1-6)	Open Storage	NA
OSL 615 (1-3, 5, 6)	Open Storage	NA
OSL 623	Open Storage	NA
OSL 625 (1-6)	Open Storage	NA
OSL 633	Open Storage	NA
OSL 635 (4-6)	Open Storage	NA
OSL 643	Open Storage	NA
OSL 645 (4-6)	Open Storage	NA
OSL 653	Open Storage	NA
OSL 655 (1-8)	Open Storage/Recycling Operations	NA
OSL 663	Open Storage	NA
OSL 665 (1-8)	Open Storage	NA
OSL 670 (4-7)	Open Storage	NA
OSL 673	Open Storage	NA
OSL 675 (1-8)	Open Storage	NA
OSL 680	Open Storage	NA
OSL 681	Open Storage	NA
OSL 683	Open Storage	NA
OSL 685 (1-8)	Open Storage	NA
OSL 690	Open Storage	NA
OSL 693	Open Storage	NA
OSL 695 (1-8)	Open Storage	NA
OSL 703	Open Storage	NA
OSL 704	Open Storage	NA
OSL 705	Open Storage	NA
OSL 713	Open Storage	NA
OSL 714	Open Storage	NA
OSL 715	Open Storage	NA
OSL 801	Open Storage	NA
OSL 802	Open Storage	NA

NOTE: An acronym list is provided on the last page of this table.

Bldg. No.	Use/Name	Year Built
OSL 803	Open Storage	NA
OSL 804	Open Storage	NA
OSL 805	Open Storage	NA
OSL 806	Open Storage	NA
OSL 807	Open Storage	NA
OSL 813	Open Storage	NA
OSL 814	Open Storage	NA
OSL 815	Open Storage	NA
OSL 816	Open Storage	NA
OSL 817	Open Storage	NA
OSL 823	Open Storage	NA
OSL 824	Open Storage	NA
OSL 830	Open Storage	NA
OSL 831	Open Storage	NA
OSL 833	Open Storage	NA
OSL 834	Open Storage	NA
OSL 840	Open Storage	NA
OSL 841	Open Storage	NA
OSL 843	Open Storage	NA
OSL 850	Open Storage	NA
OSL 851	Open Storage	NA
OSL 853	Open Storage	NA
OSL 854	Open Storage	NA
OSL 860	Open Storage	NA
OSL 861	Open Storage	NA
OSL 862	Open Storage	NA
OSL 863	Open Storage	NA
OSL 870	Open Storage	NA
OSL 871	Open Storage	NA
OSL 872	Open Storage	NA
OSL 873	Open Storage	NA

Bldg. Building
 BRAC Base Realignment and Closure
 DRMO Defense Reutilization and Marketing Office
 NA Not Available
 No. Number
 OSL Open Storage Lot

3.2.1.1 Open Storage Lots

The OSLs in the BRAC parcel are generally located to the west of the supply warehouses, with some located in the center of the warehouses and others located along the eastern boundary of the Maintenance and Supply Area, between the DRMO and Combat Vehicle Test Facility and the installation's boundary. The majority of the OSLs, excluding those along the eastern boundary of the facility, are used for storing various types of material and military equipment. Material and equipment are stored, generally on a temporary basis, for rehabilitation or future permanent storage. A grid road network serves these areas, which are predominantly gravel-covered earth surfaces. During the site visits, these OSLs were inspected via a windshield survey. The lots appeared clean and well-maintained.

Two exceptions exist to the scenario presented above. The first exception was observed at OSL 655-5, located north of the CMF, which is currently the site of the TEAD-N recycling operations. The majority of the activities performed in the recycling area occur in an unnumbered large metal quonset hut in which scrap metal is prepared to be salvaged. A smaller metal structure and a wooden office structure, both also unnumbered and apparently vacant, were also present at the recycling area. Some examples of poor housekeeping, resulting in potential environmental releases related to recycling operations, were observed during the site inspection. Specifically, waste oil drums, lead acid batteries, vehicle parts, antifreeze, and scrap metal were stored outside the building in an uncontrolled manner. Ground staining associated with waste oil collection was observed during the site inspection at the recycling area. The second exception is the fuel oil storage tank (Tank 582) located in the southern portion of OSL 854. Minor overfills have been reported in the past associated with Tank 582; however, no evidence of such releases was observed during any site visits.

The OSLs to the east, between the DRMO and the Combat Vehicle Test Facility and the installation's boundary were also inspected during the site visits via a windshield survey. These OSLs did not contain vehicles or equipment of any kind, nor was there a well-defined grid road network. Rather, these areas consisted of open fields with no indications of vegetation stress or other such indicators of disturbance. These areas do not appear to have been used for open storage recently, if at all, based on conditions observed during the windshield survey. Similar open fields are present along the central western border of the BRAC parcel in the Maintenance and Supply Area.

A former trench was identified adjacent to the southeast end of OSL 655-2 in the Aerial Photographic Site Analysis of the BRAC parcel (ERI, 1993). In addition, an area of former disturbed ground was identified just north of the easternmost BRAC parcel OSLs in these aerial photographs (ERI, 1993). No evidence of environmental impact associated with either area was identified during the CERFA investigation, however.

3.2.1.2 Storage Warehouses

The warehouses, which were mostly constructed in the 1940s, are used for long-term storage of specialized vehicles and other military equipment. There are 125 round "tank" warehouses at the north end of the area used for long-term storage of specialized vehicles. They have controlled humidity and a series of metal tanks with sealed doors which allow a controlled atmosphere for long-term storage. The Maintenance and Supply Area contains 26 large general-purposes warehouses for additional storage of equipment and supplies of TEAD-N. The area is served by both truck and rail.

During the site visit, all 26 warehouses and two of the round "tank" warehouses were inspected. With the exception of Buildings 659 and 691, all of the warehouses in the BRAC parcel appeared to be clean and well maintained, with no current or historical evidence of storage of hazardous substances, petroleum, or petroleum derivatives. Additionally, personnel interviewed and review of aerial photographs support this conclusion. Building 659, located within the general warehouse area, was and is currently used for storage of hazardous substances, petroleum, or petroleum derivatives, as discussed in Section 4.0 of this report. Building 691, which contains an oil water separator, is the site of steam cleaning, some vehicle maintenance, and other limited industrial activities. This structure is also discussed in Section 4.0.

3.2.1.3 Consolidated Maintenance Facility

The CMF is located adjacent to the western side of the warehouses. This facility was completed in 1992 to consolidate and upgrade vehicle remanufacturing operations. Activities performed on military vehicles at the CMF include: receiving; unpacking; pre-cleaning; disassembly; cleaning; sand blasting; testing; component and electrical rehabilitation; machining; power train, engine and power generation assembly; painting; preservation and packing; and shipping. The CMF was designed to update and streamline these processes; minimize the use of hazardous materials and the generation of hazardous wastes; and reduce the potential for a release of contamination. The CMF was designed to operate in accordance with all applicable Federal, State, and local environmental regulations. An on-site wastewater treatment plant is present at the CMF to treat effluent generated during vehicle remanufacturing and related operations. Conditions observed during the site visits indicate that the CMF is operating according to the design objectives. Extremely clean housekeeping practices were also observed throughout the CMF during the site visits. Based on these observations, combined with the environmental emphasis incorporated into the CMF design and operation, contamination from this facility is not suspected.

3.2.1.4 Maintenance Buildings

The maintenance buildings, mostly constructed in the 1940s, are located at the south end of the Maintenance and Supply Area. These facilities accommodate sand blast areas; paint; dunnage; and equipment maintenance, repair, handling, and inspection. Altogether, there are 877,776 square feet of building space within this area, which is served by both truck and rail (EA, 1988b).

The primary activities which occur in the maintenance buildings are related to major (military vehicles, etc.) and secondary (generators, compressors, etc.) item remanufacture. These activities include receiving, unpacking, disassembly, cleaning, sand blasting, painting, overhaul, repair, reassembly, packing, and shipping. Each of the activities currently performed in the CMF occurred in the maintenance buildings prior to 1992, when the consolidated new facility came online. Many of the maintenance buildings were observed to be vacant during the site visits, as operations previously conducted in these structures are now performed at the CMF. Most maintenance structures are currently limited to a single remanufacturing activity (such as the Building S-604 Power Train Rebuild Shop) or contain a specific type of manufacture-related equipment (such as the Building 613 Sheet Metal Shop).

Historical information, on-site inspections, and TEAD-N personnel interviews performed during the CERFA investigation indicated that many of the maintenance structures have housed a

variety of activities throughout their operating history. For example, Building S-618, presently the lunch room, was formerly a vehicle maintenance shop. Building S-616, which currently houses union offices, was at one time a fire station. Conditions as they were observed during the site visits are therefore considered to represent only a single point in time. Historical research and interviews with long-employed TEAD-N personnel were conducted during the CERFA investigation to provide information regarding past practices so that a more complete assessment of the varied history of the maintenance buildings could be evaluated with respect to CERFA criteria.

Most of the processes which have occurred and are presently being conducted in the maintenance buildings involve petroleum products and hazardous substances (such as diesel fuel and paint) and produce petroleum derivatives and hazardous wastes (such as waste oil and spent sand blast media). Housekeeping practices observed during the site visits were generally excellent, as were the majority of the petroleum/hazardous waste/hazardous substance usage, containment and storage practices. Some current deficiencies and many past practices in the maintenance structures have resulted in documented, suspected, or potential environmental contamination. Each of the potential environmental concerns identified during the CERFA investigation is addressed in Section 4.0 of this report.

A former dark-colored area of probable staining was identified between Buildings S-637 and S-647 in the Aerial Photographic Site Analysis of the BRAC parcel (ERI, 1993). A former trench located south of Building S-601 was also identified in these aerial photographs (ERI, 1993). No evidence of environmental impact associated with either area was identified determined during the CERFA investigation, however.

3.2.1.5 Solvent Recovery Facility

The Solvent Recovery Facility is located at the southwest corner of the Maintenance and Supply Area in Building 600C. This is a new facility constructed in 1988, and has been used to recycle Stoddard solvent, TCE, paint thinner, antifreeze, and used oil filters throughout its operating history. The Solvent Recovery Facility was observed to be in excellent condition during the site visits. Clean housekeeping practices were also observed at this facility during the site visits. Spill containment and recovery materials were readily available throughout the facility, as well. However, according to Mr. McFarland of the TEAD Environmental Office, at the time of the site visits no significant spills or other releases had been reported associated with solvent recovery facility operations. At the time of the site visits, recycling operations at the facility were minimal: paint thinner had not been recycled for over 3 years; Stoddard solvent recovery had not occurred for over 1 year; and TCE recycling was in the process of being phased out. The Solvent Recovery Facility has been designated as SWMU 39. Based on the results of the RCRA Facility Investigation (RFI), unless waste handling practices at the facility change, no further action is recommended for SWMU 39, since potential contamination from solvent recovery operations is not likely (MW, 1993).

3.2.1.6 Defense Reutilization and Marketing Office

The DRMO (SWMU 26), located adjacent to the eastern side of the warehouses, consists of an open storage yard and several steel buildings. This area is used for temporary storage of surplus material (no longer in use at the installation), prior to sale. The DRMO receives items from all of TEAD-N, including the Utah National Guard located in the Administration Area. According to Mr. Red Ridder, the DRMO escort during the site visits, the TEAD-N DRMO also

serves TEAD-S, the Eagle Test Range, and the Dugway Proving Ground. The DRMO area is provided with rail and truck access. Small areas of staining were identified at the DRMO during the site visits. A Phase II RFI is currently being conducted at the SWMU 26 DRMO area under the Army IRP.

A wide variety of items is present in large quantities at the DRMO. Abundant items observed at the DRMO during the site visits included: engines; generators; compressors; furniture; office machines; computer equipment; scientific instruments; inert ordnance; a variety of vehicles; vehicle and helicopter parts; miscellaneous dry goods and other similar saleable items; and steel and brass shell casings. According to Mr. Ridder, no UXO, including chemical munitions from TEAD-S operations are stored at the DRMO. Residual fluids in engines, generators, compressors, and similar items stored in large quantities at the DRMO, have the potential to contaminate the underlying ground surface; however, large-scale contamination of this nature was not observed on-site.

Large quantities of plastic and metal 55-gallon drums were observed at the DRMO; however, the vast majority of the drums were empty, and those which were full contained small pieces of scrap metals or similar nonliquid salvage materials. All drums reportedly arrive at the DRMO after they have been emptied and cleaned. Batteries are no longer stored at the DRMO, as these items are now recycled in the Maintenance and Supply Area on-post. One large transformer, reportedly free of PCBs, was observed at the DRMO during the site visits. According to Mr. Ridder, transformers are rarely sent through the DRMO. Mr. Ridder also stated that transformers which contain PCBs are not sent to the DRMO.

Unused hazardous chemicals (such as paints, gear oils, acids, etc.), which are no longer required or which were not used prior to their recommended shelf life, are also present at the DRMO. These hazardous materials which cannot be sold and therefore will never be used are stored in a 90-day hazardous waste storage area in Building S-2025. However, if these hazardous materials can be sold for use according to their intended purpose, they are not considered waste, and are stored as hazardous materials in Building 2003 at the DRMO. Building 2001 was also reportedly used for hazardous materials storage in the past; however, during the site visits only nonhazardous materials were observed in this structure. Hazardous chemical storage at these structures appeared to be conducted in accordance with the RCRA Subtitle C. Evidence of contamination from these hazardous chemicals was not observed during the site visits.

A former burn area, now used for open storage, was observed during the site visits north of the warehouses at the DRMO. According to Mr. Louis Brems, the chief of DRMO operations, this area was used in the past to burn rubber off of steel tank tracks to facilitate the sale of the scrap steel. Sampling has reportedly occurred in this vicinity; however, no analytical results were available.

Poor housekeeping resulting in localized contamination was observed in some areas of the DRMO during the site visits. For example, prevalent staining resulting from waste oil collection operations was noted on the ground surface at waste oil collection points outside of several DRMO saleable items warehouses. Oil stains were also observed on the concrete floors of these and other storage buildings, reportedly the result of leaks from improperly functioning forklifts. Additional staining was observed beneath many of the above ground fuel oil storage tanks associated with numerous DRMO structures. During the site visit, staining

was also observed along the railroad tracks in the northern portion of the DRMO. Mr. Brems stated that some small diesel and oil spills had been reported at the DRMO over time.

3.2.1.7 Industrial Wastewater Treatment Plant

The IWTP (SWMU 38) is located within the southwest corner of the BRAC parcel. According to Mr. Pat Sullivan, the chemical engineer in charge of the IWTP who was the Facilities Office escort during the on-site inspection, the design capacity of the treatment facility is 160,000 gallons per day. Several structures and holding tanks are present at the IWTP complex. The majority of this facility was built in 1987, and an additional structure, Building 716, is presently under construction. Structures at the IWTP are used for storage, housing for inflow and outflow pumps, and various process equipment. One small office structure was also noted at the IWTP during the site visits, as were four large-capacity bermed above ground storage tanks (ASTs) for storage of influent and effluent. Influent storage tanks are used to hold water flowing into the facility in the uncommon event that inflow exceeds the design capacity of the IWTP. Buildings 713 (process equipment) and 714 (materials storage) were constructed by contractors for their use. Process equipment to be operated by TEAD Office of the Facilities Engineer personnel is presently being installed in newly-constructed Building 716. Operations in Building 716 will replace all activities currently performed by contractors at the IWTP. Therefore, once all of the new process equipment is online, contractor operations at the IWTP will cease, and Buildings 713 and 714 will be removed from the area.

Water is treated at the IWTP by a variety of processes, including filtration, clarification, and reverse osmosis. If a spill or similar unintentional release to the wastewater collection system is reported to Mr. Sullivan, IWTP processes will be modified to the extent necessary to treat the influent to the required extent. Mr. Sullivan stated that such releases are less likely than in the past, as an effort has been made throughout the TEAD-N manufacturing area to replace industrial chemicals with less hazardous substitutes. Following treatment to the desired concentrations, water at the IWTP is either recycled back through the Maintenance and Supply Area or pumped to the Tooele public water treatment works.

Good housekeeping practices are presently in effect at the IWTP, which was observed to be a modern, clean facility during the site visits. However, during the first year of operation of the IWTP, used granulated activated carbon (GAC) was stored in uncovered containers. A portion of this material was blown onto the ground surface in the western portion of the facility. Used GAC is currently stored in closed containers in the covered 90-day storage yard at the IWTP, eliminating the risk of additional spent carbon windblown contamination. However, contamination associated with the previous release has been detected during surficial soil sampling, and the IWTP has been designated as SWMU 38 (MW, 1993). SWMU 38 is currently undergoing a Phase II RFI under the Army IRP.

3.2.1.8 Combat Vehicle Test Facility

The Combat Vehicle Test Facility is located east of the Maintenance and Supply Area and south of DRMO. This facility is used to determine specifics regarding the status of vehicles prior to repair, and to test the performance of vehicles following remanufacture. This facility includes an asphalt test track with obstacles, an inclined brake testing area, and a test pool for boats and amphibious vehicles. A maintenance shed, Building 624, is also present at the facility. Vehicles were observed in the shed during the site inspection of the vehicle test facility; however, only light maintenance activities appeared to be conducted in this structure.

Additionally, a recycled industrial water tank and an associated structure (Building 632) are also located near the center of the test track at the facility. Analytical results from sampling of the recycled industrial water in the tank reviewed during the CERFA investigation indicate that this water is not a RCRA hazardous substance or waste. Treated water from the IWTP is pumped uphill to the recycled water tank for storage prior to reuse in Maintenance and Supply Area. No evidence of leaks, overfills, or other releases of the recycled water were observed during the site inspection of the test facility.

Bulk storage of hazardous substances or wastes, including waste oil, were not observed during the site inspection at the Combat Vehicle Test Facility, nor were indications of poor housekeeping, spills, or any other evidence of a hazardous release.

3.2.1.9 90-Day Drum Storage Area

The 90-Day Drum Storage Area (SWMU 28) is a 3.4-acre fenced lot located near the southern end of the Maintenance and Supply Area. Buildings 588, 596, and 656 are located within the fenced area. Currently, this area serves as a RCRA 90-Day Container Storage Yard. Drummed wastes including gasoline, phosphonic acid, sodium hydroxide, paint wastes, thinners, solvents, paint filters, blast grit, used oil, and antifreeze, are stored above ground on pallets in this area. Visual inspection and review of historical aerial photographs have indicated that no ground staining or standing liquid is evident at this site (MW, 1993). However, Phase I RFI sampling indicates that activities at this SWMU have released contaminants to the environment.

3.2.1.10 Drum Storage Areas

The Drum Storage Areas (SWMU 29) consists of two areas located near the southern end of the Maintenance and Supply Area. The two areas are separated by the Maintenance and Supply Road. The southern area (also known as the old lumber yard) is a fenced, 25-acre expanse of gravel and broken asphalt surface with a single warehouse (Building 576) and one smaller associated office facility (Building T-589). Historical aerial photographs show that the southern part of SWMU 29 has been used for the storage of drums, as well as cylinders, tanker trucks, and lumber (EPA, 1982). Currently, the majority of the southern portion of SWMU 29 (including Buildings 576 and T-589) comprise the Hazardous Material Storage Area. The northern part of SWMU 29 is a triangular-shaped, sparsely-vegetated, open area of approximately 5 acres. A 1953 aerial photograph shows drums stored in this area, while aerial photographs taken in 1959 and 1966 indicate that the drums were removed and that the area was unoccupied. In 1981, an aerial photograph shows debilitated vehicles stored in the western part of the northern area (EPA, 1982). Phase I RFI sampling indicates that activities at this SWMU have released contaminants to the environment.

3.2.1.11 Adjacent Property

The BRAC property that lies within the Maintenance and Supply Area is surrounded on two sides by the installation itself. Immediately to the south lies the installation's Sanitary Landfill (SWMUs 12 and 15), battery disposal pit, and the pesticide handling and storage area. No pesticide or herbicide mixing or storage areas are located within the BRAC parcel. To the west lies the open revetment area and the abandoned IWL. To the north the BRAC parcel is bounded by Farm Road 112; north of the road is the Tooele County Landfill, Glen's Excavating & Grading, Inc. cement plant, open land used for agricultural purposes, and a

salvage company. A small mobile home park is located just north of this salvage yard. Aerial photographs (EPA, 1982) show a borrow pit located immediately adjacent to the northeast corner of the BRAC parcel since 1953. The southern half of the pit contained debris in 1981. The Union Pacific Railroad lies to the east of the BRAC parcel; in this area one company has operated a salvage yard for quite some time and aerial photographs (EPA, 1982) show an OSL located immediately east of the BRAC parcel between the eastern boundary of the installation and the Union Pacific Railroad. Army vehicles were observed here in 1959. Not until the 1981 photograph does the area become a storage lot for treated lumber, probable drums, debris, and discarded machine parts. East of this area dumping has been occurring near a railroad track, and a large debris pile can be seen there in 1959. In 1981 only a small amount of debris and some ground stains are visible. Additionally, the Tooele City Industrial Park lies east of the BRAC. The park contains Norwesco, which manufactures polyethylene tanks; Tooele Municipal Airport; and Christianson & Griffith Construction Company. A small business renting self storage units is located just north of the construction company. The southern portion of the Maintenance and Supply Area of the BRAC parcel is impacted by groundwater contamination from the Sanitary Landfill. No other on- or off-post adjacent properties were determined to be impacting the Maintenance and Supply Area of the BRAC parcel during the CERFA investigation.

3.2.2 Administration Area

The BRAC property that lies within the Administration Area currently contains a variety of facilities including: several administration buildings; police station; print plant; photographic laboratory; gymnasium; swimming pool; crafts building; several recreation buildings; the Utah Army National Guard maintenance/office building; the Army Travel Camp; horse stables; a trap and skeet range; an inspection center; verticle water tanks, and a demolished former base housing tract. During the site visits the facilities listed above were inspected. Visual inspection of the facilities and surrounding land indicated no current or historical evidence of known or suspected storage, release, or disposal of hazardous substances, petroleum, or petroleum derivatives, with the exception of the Utah National Guard Facility, Building 1011, and the photographic laboratory portion of Building 1000, as discussed in Section 4.0 of this report.

Aerial photographs taken in 1953 and 1966 indicate that the southern portion of the Administration Area was previously used for residential purposes (EPA, 1982). The residential area has since been dismantled (ERI, 1993). No evidence of the method by which the residences in the former base housing tract were heated was discovered during the CERFA investigation. The possibility exists that ASTs and/or USTs were potentially used to supply heating oil to these structures.

Review of 1939, 1952, 1953, 1959, 1974, 1977, and 1987 aerial photographs by ERI indicated that four areas of former ground disturbances were present at the Administration Area of the BRAC parcel (ERI, 1993). No evidence of specific environmental impact associated with these features was determined during the CERFA investigation, however. The four areas are an area of former trenches identified in the southwest corner of the Administration Area; a former drainfield identified in the northwest corner of the Administration Area; a former excavation in the eastern portion of the Administration Area; and a former bermed area probably used for storage of flammable or explosive materials, located in the central portion of the Administration Area (ERI, 1993).

The BRAC property that lies within the Administration Area is surrounded on the west by the main part of the TEAD-N installation and on the north by open land. The SWMU 35 Wastewater Spreading Area is located adjacent to the southern portion of the western boundary of the Administration Area of the BRAC parcel. Some residential property is present along the easternmost edge of the northern boundary of the Administration Area. Immediately to the east of the Administration Area of the BRAC parcel is State Highway 36. Further east of the area, across the highway, is open, undeveloped land, currently used for grazing cattle. Undeveloped land is also present to the south of the Administration Area of the BRAC parcel. According to the Tooele County Recorder's Office, the majority of this property is owned by various private persons or parties. The England Construction Company also owns a portion of the land to the east and the south of the administration portion of the BRAC parcel. The clerk at the recorder's office speculated that the construction company uses this land for a source of gravel. The Tom Nix Livestock Company also owns a portion of the land to the east. No impacts to the Administration Area of the BRAC parcel from on- or off-post adjacent properties were identified during the CERFA investigation.

3.3 REGULATORY HISTORY

A variety of environmental investigations have been conducted at TEAD-N from 1979 to the present. In 1987, a Draft Interim RCRA Facility Assessment for TEAD-N (NUS, 1987) identified 28 SWMUs. These SWMUs were suspected or known to have released contaminants into the environment. Subsequent investigations resulted in the identification of an additional 18 SWMUs, which resulted in a total of 46 SWMUs at TEAD-N.

On October 2, 1984, EPA proposed TEAD-N for inclusion on the NPL. The facility was listed on the NPL on October 1, 1990. As a result, the EPA, State of Utah, and TEAD entered into a Federal Facility Agreement on September 16, 1991. In this agreement, 17 of the 46 SWMUs were redesignated as CERCLA sites contained within seven operable units. The remaining 29 SWMUs are covered under a RCRA Post-Closure Permit (PCP), which was issued to TEAD by the State of Utah on January 7, 1991. Under the PCP, the SWMUs were divided into nine known-release SWMUs and 20 suspected-release SWMUs.

3.3.1 CERCLA Status

In 1991, work plans for a Remedial Investigation (RI)/Feasibility Study (FS) for the 17 CERCLA sites were prepared, and field investigation activities were completed in the summer of 1992 on the basis of these plans. The Final RI Report documenting this work was completed in February 1994. To complete the investigation, another round of field activities is scheduled for the spring and summer of 1994 at some of the sites. An RI report addendum will be produced at the end of the study. Six of the 17 TEAD-N CERCLA sites are located within the subject BRAC parcel. As per recent conversations with USAEC, and USAEC's comments on the Draft ENPA report for TEAD-N, the CERCLA sites are now being referred to as SWMUs, numbered identically to the former CERCLA site designations. This new nomenclature has been incorporated throughout this document.

3.3.2 RCRA Status

In 1991, TEAD received a Utah Hazardous Waste PCP for the IWL (SWMU 2 located at TEAD-N). As part of this post-closure permit, a RCRA RFI Phase I Summary Report was required which identified all SWMUs where known releases of hazardous wastes have

occurred at TEAD-N. Known releases have occurred at nine TEAD-N SWMUs. A RCRA Phase I Summary Report for Known-Release Units was submitted to the State of Utah in November 1991 and approved in March 1992. A Draft Final RFI Report for Known-Release SWMUs was completed in August 1994. In accordance with the permit, work plans for a Phase II RFI were submitted to the State in June 1992 and approved on April 1993. A Corrective Measures Study (CMS) work plan is due 90 calendar days after approval of the RFI report.

A Final Phase I RFI was completed in August 1993 for the 20 remaining SWMUs designated as suspected-release SWMUs. The objective of the Phase I RFI was to determine the presence or absence of environmental contamination at each of the suspected-release SWMUs, and to recommend either additional investigations or no further action. The Final Phase I RFI for the suspected-release SWMUs resulted in a no further action determination for four of the SWMUs, and recommendations for further investigations (Phase II investigations) for 16 of the SWMUs.

This RCRA process will result in a CMS Report and a Statement of Basis document, which will summarize the information from the RFI and CMS reports to facilitate public participation in the remedy-selection process. Two known-release SWMUs and seven suspected-release SWMUs are located partially or completely within the subject BRAC parcel.

Six additional SWMUs (SWMUs 50 - 55) have been identified based on the ENPA and CERFA investigations performed at the TEAD-N BRAC parcel. These SWMUs are scheduled for investigation under the ongoing RFI.

4.0 INVESTIGATION RESULTS AND ASSUMPTIONS

The TEAD-N BRAC parcel was divided into four categories of CERFA parcels, 1 acre in size or greater, based on the results of the CERFA investigation. CERFA parcels were delineated based on evaluation of historical information; existing records and documentation; visual inspections and on-site observations; and employee and regulator interviews conducted during the CERFA investigation. The majority of the data collection for the CERFA effort occurred during three site visits: October 12 through 15, 1993; October 25 through 28, 1993; and August 23, 1994. Parcels were delineated according to the CERFA categorization system outlined in Section 1.2 of this report. Any parcels less than one total acre in area were absorbed into the nearest adjacent parcel, as per CERFA guidance.

4.1 AREAS REQUIRING ENVIRONMENTAL EVALUATION IDENTIFIED BY THE ENPA AND PREVIOUS ENVIRONMENTAL INVESTIGATIONS

Nineteen areas requiring environmental evaluation (AREEs) were identified during the ENPA investigation performed concurrently with the CERFA investigation for the TEAD-N BRAC parcel. Many of the AREEs in the TEAD-N BRAC parcel were identified in documents from previous investigations conducted in support of the ongoing IRP at TEAD, most importantly the Final Phase I RCRA Facility Investigation Report (MW, 1993) and the Final Remedial Investigation Report for Operable Units 4-10 (REI, 1994a). Only selected SWMUs or CERCLA sites identified during past investigations were designated as AREEs, since some of these previously identified sites have been remediated, and others have not been considered for further action. Additional AREEs were identified based on evaluation of historical information; existing records and documentation; visual inspections and on-site observations; and employee and regulator interviews conducted during the ENPA investigation. A complete listing of AREEs is provided in Table 4-1. Descriptions, locations, summaries of findings, contaminants of concern, recommendations, and analyses for each AREE are also included in Table 4-1. AREE locations are presented in Figures 4-1 and 4-2, with the exception of AREEs that are scattered throughout the BRAC parcel or present over a large areal extent, precluding their representation on the map.

4.2 CERFA DISQUALIFIED PARCELS

A parcel is designated CERFA disqualified if it demonstrates any of the following criteria:

- ◆ Investigation indicates the parcel was the site of disposal or release of hazardous material, petroleum, or petroleum derivatives.
- ◆ The parcel was used to store hazardous materials as listed under 40 CFR 302.4 or petroleum or petroleum derivatives for longer than 1 year.
- ◆ Investigation reveals no evidence exists of contamination and no history of storage, disposal or release of hazardous substances, petroleum or petroleum derivatives; however, the parcel is threatened by the spread of hazardous substances or petroleum-related contamination from other parcels.
- ◆ The parcel was the site of environmental contamination, but has been cleared for unrestricted use because remedial efforts or natural processes (such as natural, in-situ bioremediation) have eliminated or reduced contamination below the State and Federal requirements (CERCLA).

Table 4-1. Areas Requiring Environmental Evaluation and Recommendations for Further Action.

AREE Number	Description	Building Numbers/Locations	Summary of Findings	Potential Contamination	Recommended Activity	Proposed Analyses
1	<p>SWMU 49: Old Industrial Wastewater Distribution System</p> <p>This AREE consists of three parts:</p> <p>1a) Current Stormwater Sewer System (Former Industrial Wastewater Pipelines)</p> <p>1b) Old Connections to the New Wastewater System</p> <p>1c) Radiator Repair Facility</p>	<p>1a) The system is located above and below ground throughout the Maintenance and Supply Area.</p> <p>1b) Buildings 600, 601, 602, 606, 609, 610, 611, 612, 615, 620, and 637.</p> <p>1c) Building 609</p>	<p>1a) Historically, the current stormwater sewer system was used to deliver effluent from the Maintenance and Supply Area buildings to the IWL via four open ditches along B, C, D, and E Avenues between 1965 and 1988. Further north in the Maintenance and Supply Area, this system delivered effluent which reportedly discharged along the eastern side of the OSLs, along F, G, H, J, K, and L Avenues to the OIWL prior to 1965.</p> <p>1b) Old pipe connections were used to connect buildings in the Maintenance and Supply Area to the new wastewater system. Some of the old pipe connections have visible signs of corrosion and deterioration.</p> <p>1c) The Radiator Repair Facility is a potential source of contamination because of steam cleaning, caustic dip tanks, and general radiator repair activities that occur within. All of these operations are somewhat contained within the structure through the use of pollution controls; however, visual observations and the nature of operations within this structure indicate that the potential for contaminant releases exist.</p>	<p>Acids; caustics; solvents; paints; metals; ether; photographic chemicals; oil; petroleum hydrocarbons</p>	<p>A Site Investigation under the ongoing RFI is recommended to determine the environmental impacts of both portions of this AREE. These areas have recently been incorporated into the RFI program.</p> <p>1a) Sample surface and subsurface soil at the outfalls to assess the impact of current and historical discharges. Sample discharge water to determine the nature of potential residual contamination. Visually inspect the integrity of the piping and conduct subsurface soil sampling if damage is noted.</p> <p>1b) The old connections should be visually inspected to determine the integrity of the piping. Follow-up soil sampling should be conducted, as necessary.</p> <p>1c) Conduct a limited site investigation of the Radiator Repair Facility to determine if operations within the structure have released contamination to surrounding surface and subsurface soils. Also, since the structure is scheduled for demolition in Fiscal Year 1997, the structural debris may need to be sampled for TCLP to determine the disposal method that is in compliance with RCRA land disposal regulations.</p>	<p>VOCs; SVOCs; and metals</p>

NOTE: An acronym list is provided on the last page of this table.

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Table 4-1. Areas Requiring Environmental Evaluation and Recommendations for Further Action.

AREE Number	Description	Building Numbers/Locations	Summary of Findings	Potential Contamination	Recommended Activity	Proposed Analyses
2	SWMU 47: Boiler Plant Blowdown Water	SWMU 47, including Buildings 606, 610, 637, and 691	Review of data collected during the Phase I RFI indicated metals and petroleum compounds have been released to the environment. Boilers at Buildings 606, 610, and 637 are connected to the IWTP system and no longer release contaminated boiler blowdown water to the environment. Building 691 still drains effluent to a nearby ditch.	Metals and petroleum compounds	Further study of SWMU 47 is recommended under the ongoing Phase II RFI. Soil sampling of the drainage ditch is recommended.	VOCs; SVOCs; and metals
3	SWMU 50: Compressor Condensate Drain	Building 619	Potential contamination of surface and subsurface soil may have occurred from effluent in a compressor condensate drain at Building 619. The drain is not connected to the IWTP and carries condensate that has been known to contain lubricating oil.	Petroleum hydrocarbons	A Site Investigation under the ongoing RFI is recommended. The compressor effluent and the surface and subsurface soil in the area sampled. The site has recently been incorporated into the RFI program.	VOCs and SVOCs
4	SWMU 51: Chromic Acid/Alodine Drying Beds	Concrete pads marked "623"	There are no documented releases associated with the concrete pads. Visual inspection indicated that they could have been used for liquid containment and drainage based on design. Interviews with on-post personnel indicated that engines may have been flushed at the site. Real property historical records review indicated that the pads were used for chromic acid/alodine drying in the 1970s.	Petroleum hydrocarbons; antifreeze; chromic acid; alodine	A Site Investigation under the ongoing RFI is recommended, including collection of surface and subsurface soil samples between the pads to investigate potential contamination. The site has recently been incorporated into the RFI program.	VOCs; SVOCs; and metals

NOTE: An acronym list is provided on the last page of this table.

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Table 4-1. Areas Requiring Environmental Evaluation and Recommendations for Further Action.

AREA Number	Description	Building Numbers/Locations	Summary of Findings	Potential Contamination	Recommended Activity	Proposed Analytes
5	SWMUs 31, 32, and 53: PCB-Related Areas	<p>SWMU 31 - Former Transformer Boxer Site (OSL 680)</p> <p>SWMU 32 - PCB Spill Site (OSL 665D)</p> <p>SWMU 53 - Soils at Buildings 659 and 679</p>	Existing analytical results from surface soil composite samples indicate that PCBs are present at the PCB Spill Site (SWMU 32). The Former Transformer Boxer Site (SWMU 31) has no indications of spillage. No documented information was available concerning the soils outside Buildings 659 and 679 (SWMU 53).	PCBs	Further sampling at all three of the SWMUs is recommended as per requirements of the CERCLA and RCRA programs only.	NA
6	SWMUs 4 and 54: Sand Blast Areas	<p>SWMU 4 - Current Operations: Buildings 600, 615, and 617</p> <p>SWMU 54 - Past Operations: Buildings 603, 604, 612, 613, 637, and 647</p>	Based on Phase I RFI sampling results, contamination of the environment has occurred from the sand blasting operations at Buildings 600, 615, and 617. During the ENPA site visits, other areas were identified where sand blast operations occurred in the past. These included Buildings 603, 604, 612, 613, 637, and 647.	Metals and paint compounds	It is recommended that Buildings 600, 615, and 617 be investigated further as is currently being done under the Phase II RFI. Areas used for sand blasting in the past should also be investigated under a Phase I RFI for releases to the environment. These areas have recently been incorporated into the RFI program.	Metals
7	SWMU 46: Waste Oil Dumpsters/Storage Tanks	Buildings 600, 602, 607, 611, 619, 620, 637, and 691	Based on Phase I RFI sampling results and visual inspection during the ENPA site visits, it is apparent that waste oil handling practices at the used oil dumpsters have released petroleum hydrocarbons to surface and shallow subsurface soils.	Petroleum hydrocarbons	It is recommended that SWMU 46 be investigated further as is currently being done under the Phase II RFI. Also, improved waste oil handling techniques should be implemented to prevent further contamination.	TRPH

NOTE: An acronym list is provided on the last page of this table.

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Table 4-1. Areas Requiring Environmental Evaluation and Recommendations for Further Action.

AREE Number	Description	Building Numbers/Locations	Summary of Findings	Potential Contamination	Recommended Activity	Proposed Analyses
8	SWMU 26: DRMO Area	Includes various structures and OSLs within the DRMO	Releases of contaminants to the surface and shallow subsurface soils at the DRMO have been documented. There is noticeable ground staining at some locations.	VOCs; polynuclear aromatic hydrocarbons; petroleum hydrocarbons; metals; and cyanide	Prior to excessing, all equipment and debris should be removed. The structures should be cleaned and decontaminated according to the installation's procedures for closing heavy industrial areas. It is recommended that SWMU 26 be investigated further as is currently being done under the Phase II RFI.	VOCs; SVOCs; and metals
9	SWMU 38: IWTP	Includes the area west of Building 713	There has been a known release of contamination to the environment from open GAC containers that were left open. The contents were blown over the ground on the west side of the IWTP facility.	VOCs; SVOCs; and metals	Based on the results of the Phase I RFI sampling, several contaminants appear to have been released to the soils in the vicinity of the spent GAC containers. It is recommended that SWMU 38 be investigated further under a Phase II RFI.	VOCs; SVOCs; and metals
10	Asbestos	Facility-wide	Numerous asbestos building surveys were completed during 1991 through 1992, and the installation's asbestos management plan was implemented in July 1992.	Asbestos	It is recommended that the installation continue to implement the asbestos management plan and document the changing status/condition of asbestos at the TEAD. Asbestos surveys are required for all structures within the BRAC parcel.	NA
11	PCB-Containing Transformers	Facility-wide	PCB-containing transformers are in use within the BRAC parcel.	PCBs	The installation has a PCB management plan and conducts annual inspection and maintenance. It is recommended that these practices be continued.	NA

NOTE: An acronym list is provided on the last page of this table.

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Table 4-1. Areas Requiring Environmental Evaluation and Recommendations for Further Action.

AREE Number	Description	Building Numbers/Locations	Summary of Findings	Potential Contamination	Recommended Activity	Proposed Analyses
12	USTs	Facility-wide	<p>There are 13 regulated USTs within the BRAC parcel. There are over 100 USTs in the BRAC parcel, however, a leak detection program was implemented in 1989. In 1992, all emergency generator tanks were tightness tested.</p> <p>There are also numerous unregulated underground heating oil tanks located within the BRAC parcel.</p>	Petroleum products	Continued implementation of the installation's UST management plan is recommended to maintain compliance with the State of Utah's UST regulations. Closure of all USTs no longer in use is also recommended. Additionally, a geophysical survey is recommended for the Administration Area south of the Main Entrance Road to ensure all heating oil tanks were removed when the residential area was demolished.	NA
13	ASTs	Facility-wide	<p>Numerous ASTs exist throughout the BRAC parcel in both the Administrative and Maintenance and Supply Areas. Most are used to store heating oil. The condition of many of these is questionable, and most do not have containment systems. There is a potential for leakage. No facility-wide management plan is in place.</p>	Petroleum products	It is recommended that the installation develop a facility-wide management plan that addresses AST compliance with the State of Utah's RCRA AST program.	NA
14	SWMU 52: Drain Field and Disposal Trenches	The drain field and disposal trenches are located at the northwest and southwest corners of the administration area, respectively	There are no indications of contamination at this site based on available information. However, based on the aerial photographic site analysis, it appears that disposal activities have occurred at these locations.	Construction debris, general refuse, sewage	A Site Investigation of the drain field and disposal trenches under the ongoing RFI is recommended, including soil sampling at both areas and a geophysical survey at the disposal trenches. These areas have recently been incorporated into the RFI program.	VOCs, SVOCs, Metals

NOTE: An acronym list is provided on the last page of this table.

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Table 4-1. Areas Requiring Environmental Evaluation and Recommendations for Further Action.

AREE Number	Description	Building Numbers/Locations	Summary of Findings	Potential Contamination	Recommended Activity	Proposed Analytes
15	SWMU 55: Battery Shop	Building 618	There are no indications of contamination at this site based on available information. However, based on the historical records search, it appears that battery shop and plating operations have occurred at Building 618. The nature of these industrial operations render this facility worthy of investigation.	Metals	A Site Investigation of Building 618 under the ongoing RFI is recommended. It is recommended that soil samples be collected from the area surrounding the building and that a detailed historical background search be completed. This area has recently been incorporated into the RFI program.	Metals
16	SWMU 28: 90-Day Drum Storage Area	Buildings 588, 596, and 656	Drummed wastes are stored above ground on pallets. Drums remain sealed and are stored up to 90 days before transport to a permanent storage facility or a hazardous waste management facility. Contaminants have been released to the surface soils but widespread contamination is not likely.	Metals, organic compounds, petroleum hydrocarbons, and a variety of waste constituents stored on-site.	It is recommended that SWMU 28 be included in RFI Phase II activities. Soil borings are recommended to further characterize the vertical and horizontal extent of contamination.	VOCs; SVOCs; metals
17	SWMU 29: Drum Storage Areas	Buildings 576 and 589	The Drum Storage Areas were used to store empty drums before they were returned to the originating contractor. Empty drums were reportedly stored upside down to allow residual contents to drain and to keep precipitation out. Chemicals have been potentially released to the environment due to this practice. The facility has undergone both RI and RFI investigations. The results of these investigations indicate that various types of contaminants have been released to surface and subsurface soils.	Metals; phthalates; VOCs; SVOCs	It is recommended that RFI Phase I data be evaluated in the Phase II investigation to quantify health risks in a baseline risk assessment. Because present sample data provide analytical information for virtually the entire AREE, no additional sample collection is recommended.	NA

NOTE: An acronym list is provided on the last page of this table.

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Table 4-1. Areas Requiring Environmental Evaluation and Recommendations for Further Action.

AREE Number	Description	Building Numbers/Locations	Summary of Findings	Potential Contamination	Recommended Activity	Proposed Analyses
18	SWMUs 2 and 30: Conveyance Ditches and Lagoons	This AREE consists of various conveyance ditches and lagoons that have been identified through historical aerial photograph review or past investigations.	The OIWL (SWMU 30) conveyance ditches and lagoons area was found to be widely contaminated with metals. A TCE plume from the transport of maintenance area wastewater is probably present. The IWL (SWMU 2) conveyance ditches that are within the BRAC parcel are documented known sources of groundwater contamination. Subsurface soils, sludge, and groundwater within the Maintenance and Supply Area have been contaminated with waste stream constituents. The IWL conveyance ditches that are within the BRAC parcel have been remediated through contaminated soils excavation and replacement.	Metals; TCE; phenols; explosives	No further RFI investigations are recommended for the OIWL (SWMU 30). It is recommended that this SWMU be included in the Corrective Measures Study. No further RFI investigations are recommended for the IWL (SWMU 2) conveyance ditches. The contaminated soil removal and replacement of the conveyance ditches within this BRAC parcel is a remediation method that is in accordance with RCRA guidelines. As such, they are no longer considered a threat to the quality of the surrounding soils on the groundwater.	NA
19	Lead-Based Paint	Administration Area buildings, specifically Buildings S-101; S-103; S-104; S-110; S-111; S-113; S-115; S-117; S-118; S-119; S-120; S-121; S-122; S-123; S-124; S-125; S-126; S-141; S-143; S-145; S-147; S-149; S-150; S-151; S-152; S-153; S-155; 1000; 1001; 1002; 1004; 1005; 1010; and Tooele Valley High School	Depending on the selected re-use of the Administration Area buildings, target housing for lead-based paint may exist.	Lead	If the Administration Area buildings are used for target housing (residential use for children less than 6 years of age), Title X requirements of inspection and abatement are applicable.	NA

AREE	Area Requiring Environmental Evaluation	WTP	Industrial Wastewater Treatment Plant	TCE	Trichloroethylene
AST	Above Ground Storage Tank	NA	Not Applicable	TCLP	Toxicity Characteristic Leaching Procedure
BRAC	Base Realignment and Closure	OIWL	Old Industrial Waste Lagoon	TEAD	Tooele Army Depot
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act	OSL	Open Storage Lot	TRPH	Total Residual Petroleum Hydrocarbons
DRMO	Defense Reutilization and Marketing Office	PCB	Polychlorinated biphenyl	UST	Underground Storage Tank
ENPA	Enhanced Preliminary Assessment	RCRA	Resource Conservation and Recovery Act	VOC	Volatile Organic Compound
GAC	Granular Activated Carbon	RFI	RCRA Facility Investigation		
IWL	Industrial Waste Lagoon	SVOC	Semivolatile Organic Compound		
		SWMU	Solid Waste Management Unit		

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10 AREE Number



AREE

Underground

Stormwater Piping
(AREE 1a)

Overland

Stormwater Flow

BRAC Parcel Area

SWMU 2 Conveyance
Ditch - Soils
excavated to 20
inches and backfilled
with clean soil in
1989. (AREE 18)

SWMU 30 Lagoons -
Identified as
"Standing Liquid" in
EPIC Aerial Photo-
graphs (AREE 18)

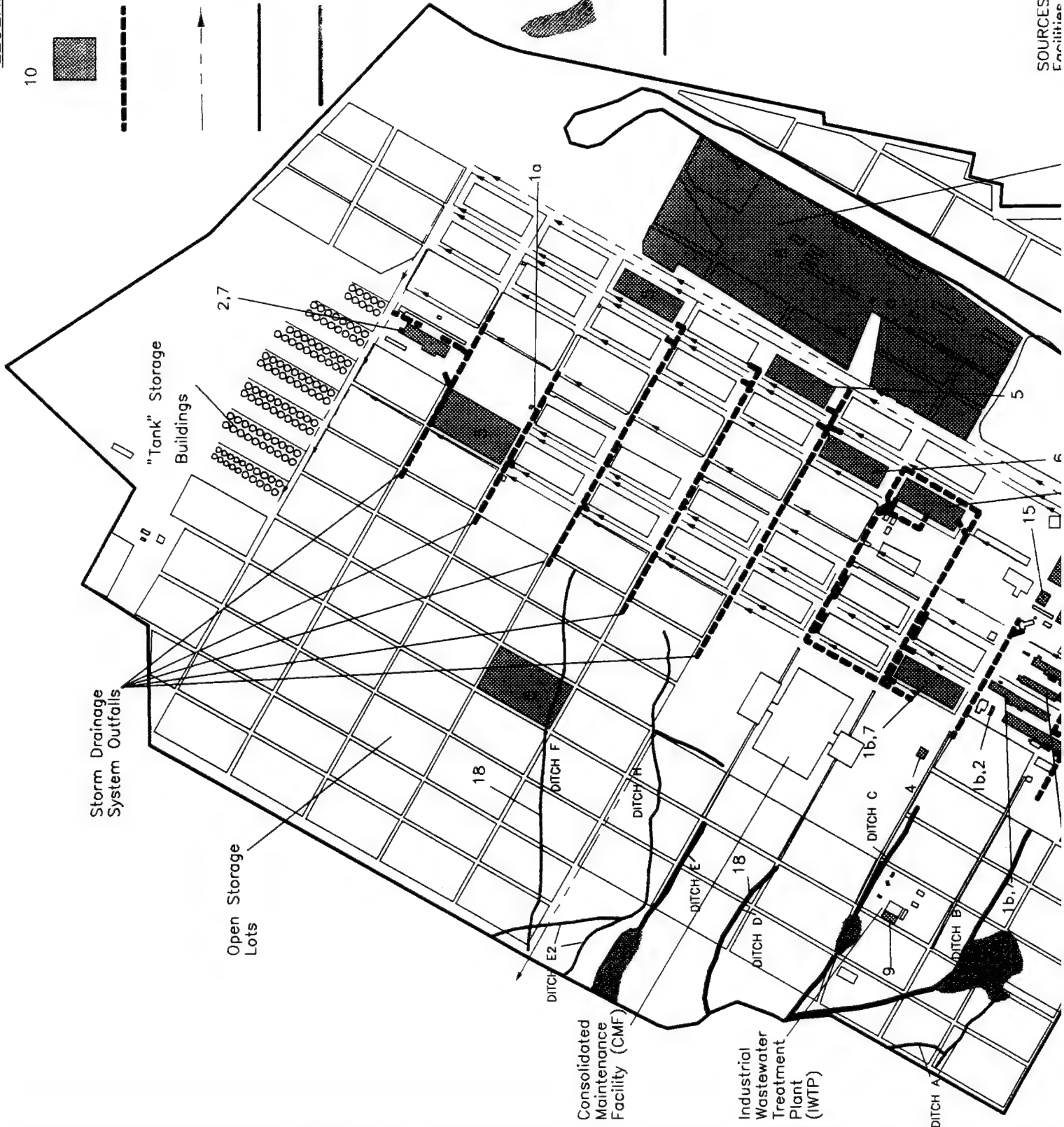
SWMU 30 Conveyance
Ditches Pre-1965
(AREE 18)



SCALE 1000
0

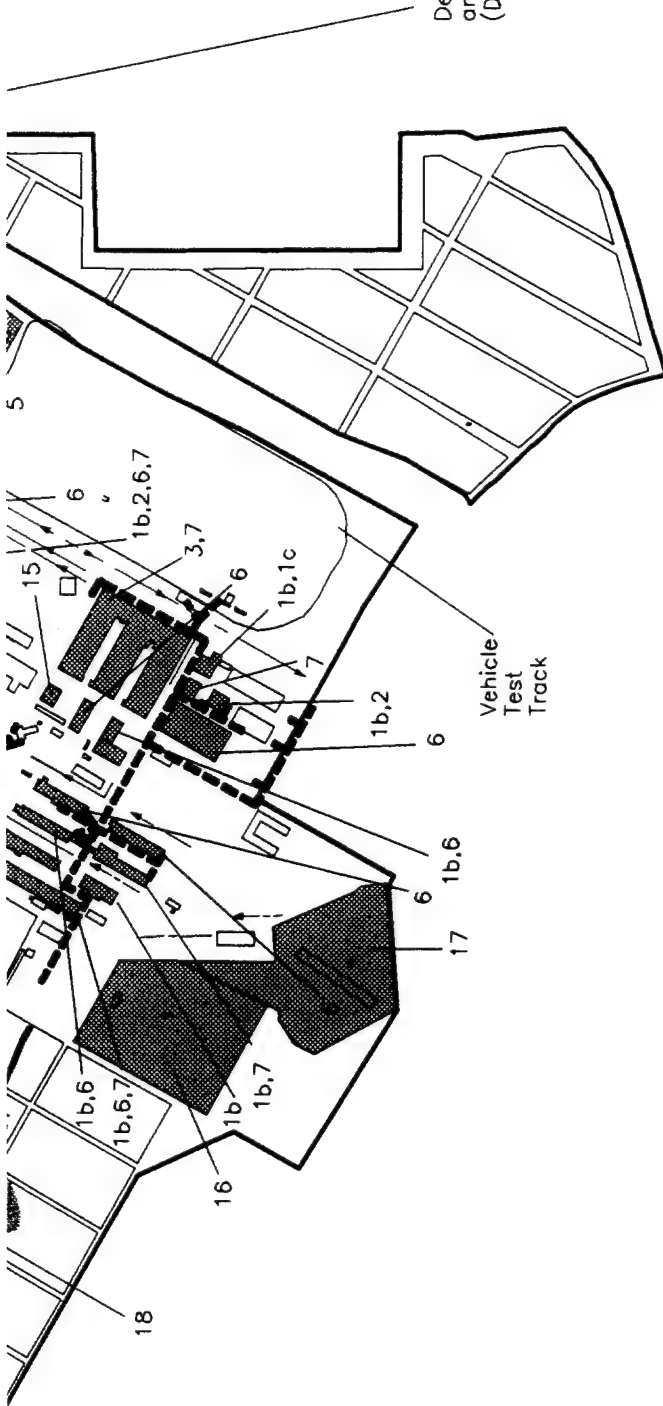
FEET

SOURCES: Office of the
Facilities Engineer 1001



SOURCES: Office of the
Facilities Engineer, 1991
(modified)
Tooele Army Depot
Tooele, Utah
REI, 1994b (modified)
ERI, 1993 (modified)

Defence Reutilization
and Marketing Office
(DRMO) Yard



AREE Number	Description	AREE Number	Description
1a.	SWMU 49: Old Wastewater Distribution System - Current Stormwater Sewer System	9.	SWMU 38: Industrial Wastewater Treatment Plant (IWWP)
1b.	SWMU 49: Old Wastewater Distribution System - Old Connections to the New Wastewater System	10.	Asbestos *
1c.	SWMU 49: Radiator Repair Facility	11.	PCB-Containing Transformers *
2.	SWMU 47: Boiler Plant Blowdown Water	12.	Underground Storage Tanks *
3.	SWMU 50: Compressor Condensate Drain	13.	Above Ground Storage Tanks *
4.	SWMU 51: Chromic Acid/Alodine Drying Beds	14.	SWMU 52: Drain Field and Disposal Trenches *
5.	SWMUs 31, 32, and 53: PCB-Related Areas	15.	SWMU 55: Battery Shop
6.	SWMUs 4 and 54: Sand Blast Areas	16.	SWMU 28: 90-Day Drum Storage Area
7.	SWMU 46: Waste Oil Dumpsters/Storage Tanks	17.	SWMU 29: Drum Storage Areas
8.	SWMU 26: Defense Reutilization and Marketing Office (DRMO) Yard	18.	SWMUs 2 and 30: Conveyance Ditches and Lagoons
		19.	Lead-Based Paint *

* Not shown on figure.

Prepared for:

U.S. Army Environmental Center

Figure 4--1

Areas Requiring Environmental Evaluation -
Maintenance and Supply Area

Date Revised: 09/27/94

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Prepared by: AGEISS Environmental, Inc.

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14

Trap and Skeet Range

Vertical Tanks

East St.

North St.

West St.

19

South St.

Tooele Valley High School

Main Entrance Road

Second Ave.

Utah National Guard

Third Ave.

Seventh St.

Oquirrh Travel

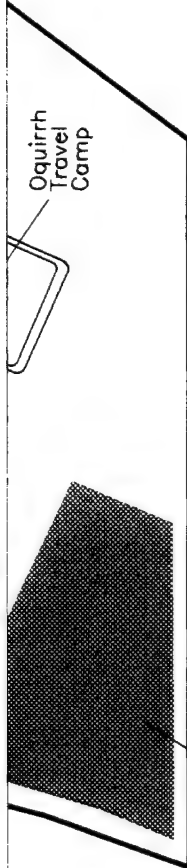
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19 AREE Number

AREES

Building

BRAC Parcel Area



NOTE: This figure includes AREE 12 underground storage tanks and AREE 13 above ground storage tanks. The installation inventory of tanks is organized by building number. As such, shading of the buildings associated with the tanks was avoided to eliminate confusion concerning the extent of the AREE.

BRAC Parcel Area



SOURCE: Office of the
Facilities Engineer, 1991 (modified)
Tooele Army Depot
Tooele, Utah

AREE Number	Description	AREE Number	Description
1a.	SWMU 49: Old Wastewater Distribution System - Current Stormwater Sewer System	9.	SWMU 38: Industrial Wastewater Treatment Plant (WTP) *
1b.	SWMU 49: Old Wastewater Distribution System - Old Connections to the New Wastewater System	10.	Asbestos *
1c.	SWMU 49: Radiator Repair Facility *	11.	PCB-Containing Transformers *
2.	SWMU 47: Boiler Plant Blowdown Water *	12.	Underground Storage Tanks *
3.	SWMU 50: Compressor Condensate Drain *	13.	Above Ground Storage Tanks *
4.	SWMU 51: Chromic Acid/Alodine Drying Beds *	14.	SWMU 52: Drain Field and Disposal Trenches
5.	SWMUs 31, 32, and 53: PCB-Related Areas *	15.	SWMU 55: Battery Shop *
6.	SWMUs 4 and 54: Sand Blast Areas *	16.	SWMU 28: 90-Day Drum Storage Area *
7.	SWMU 46: Waste Oil Dumpsters/Storage Tanks *	17.	SWMU 29: Drum Storage Areas *
8.	SWMU 26: Defense Reutilization and Marketing Office (DRMO) Yard	18.	SWMUs 2 and 30: Conveyance Ditches and Lagoons *
		19.	Lead-Based Paint

* Not shown on figure.

Prepared for:

U.S. Army Environmental Center

Figure 4-2

Areas Requiring Environmental Evaluation - Administration Area

The categorization of the TEAD-N BRAC parcel according to the criteria for parcel identification under CERFA is presented on Map 5-1. One relatively large and two smaller CERFA disqualified parcels were delineated in the Maintenance and Supply Area of the BRAC parcel. One moderate-sized and three smaller CERFA disqualified parcels were identified in the Administration Area of the BRAC parcel. One acre grid cells within the BRAC parcel were designated as CERFA disqualified if any portion of the structures, OSLs, etc. which contained the known and/or suspected disqualifiers (presented above) was present. One acre grid cells within the BRAC parcel were also designated as CERFA disqualified if they were threatened by the spread of hazardous substances or petroleum-related contamination from other parcels. Structures, OSLs, and other areas where both qualifiers and disqualifiers were present were designated as CERFA disqualified; however, associated qualifiers are listed and/or explained each time such a location is noted in the text or in accompanying maps and tables.

Most of the CERFA disqualified structures and OSLs in the Maintenance and Supply Area of the TEAD-N BRAC parcel were designated disqualified due to storage of hazardous substances used in daily operations, or the presence of hazardous waste collection points. Above ground and underground tanks storing fuel and hazardous substances also disqualified numerous locations within the BRAC parcel. Areas identified as RCRA SWMUs, such as SWMU 26, the DRMO, were assumed to have documented or possible petroleum and/or hazardous substance releases (based on specific contaminants detected at each location) and therefore are also classified as CERFA disqualified. Suspected-release SWMUs at which no releases were documented to have occurred and are therefore classified as no further action SWMUs are the obvious exception, and were not classified as disqualified.

Based on the status and limitations of available information, and the nonintrusive nature of the site investigations conducted during the CERFA investigation, several assumptions were incorporated into the CERFA designation process, which are listed and summarized below:

- ◆ Locations at which waste collection points are present or for which hazardous waste manifest information indicates that wastes are generated were assumed to have such waste present for longer than 1 year and therefore are disqualified. Although storage is only permitted for up to 90 days, waste generation continues, and therefore storage of this "waste type" occurs for a period of time greater than 1 year.
- ◆ Bulk storage of hazardous materials listed on the hazardous materials inventory and usage report (Appendix A) was assumed at be greater than 1 year in duration.
- ◆ OSL locations listed as numbers and letters in various IRP documents were assumed to correlate to the numbered locations as they appear on the Basic Information Maps by changing letters to numbers based on the order in which they appear in the alphabet. For example, OSL 665-D was assumed to be equivalent to OSL 665-4.
- ◆ Individual spill report forms were studied to determine if a spill resulted in an actual release of hazardous substances or petroleum. Only spills from which recovery of spill material was reported to be less than 100 percent were considered releases and therefore disqualifiers. Spills for which the percent

recovery could not be determined were designated as possible spill sites. Spill recovery was classified as 100 percent if 100 percent was indicated as the amount of spill material recovered on the spill report form (as was the case with the majority of the spills documented in TEAD-N BRAC parcel); the spill material was listed as retained on the spill report form; the amount of material recovered (spilled substance plus the absorbent material used to clean it up) far exceeded the volume of material spilled; or the spill occurred at a location connected to the wastewater distribution system and was routed to the IWTP for treatment.

- ♦ AREEs (identified during the concurrent ENPA investigation) at which releases of hazardous substances and/or petroleum are suspected to occur and previous investigations have not been conducted were designated possible release sites, and therefore considered disqualified.

4.2.1 CERFA Designation of Sites with Historical and Ongoing Remediation Efforts

Based on the criteria presented above, sites with completed historical or ongoing remediation efforts, discussed below, are also classified as CERFA disqualified parcels. The IRP at TEAD-N is currently in the RI/FS or RFI stage. Most of the recommendations from these investigations involve additional sampling efforts in support of a FS and a Risk Assessment scheduled to be completed in the future. The majority of the remediation efforts at TEAD will occur at a later date, following the completion of these additional studies. At the time of the CERFA investigation, the PCB Spill Site, the Industrial Wastewater System, and the Groundwater TCE Plume were the only areas where historical or ongoing remediation efforts potentially impacting the BRAC parcel have been reported, excluding small scale UST remediations which have occurred in selected locations where the risk of potential exposure was relatively high. A Phase II RFI currently underway at suspected-release SWMUs 4, 26, 38, 46, and 47 located within the Maintenance and Supply Area of the BRAC parcel.

4.2.1.1 PCB Spill Site

The SWMU 32 PCB Spill Site is located in the southern corner of OSL 665-4, in the middle of the maintenance portion of the BRAC parcel. In October 1980, a transformer oil spill occurred at the southwestern corner of the lot. Two transformers, reportedly containing a total of 1,000 gallons of PCB-contaminated oil, were punctured with a fork-lift blade during transformer removal operations. The spill occurred on the unpaved ground surface, and the spill area was reportedly less than one-half acre. Cleanup involved excavating oil-saturated soils, containerizing the soils in 55-gallon drums, and properly disposing these drums. Some of the oil leaking from the transformers was collected and was also placed in 55-gallon drums for disposal. Approximately 440 55-gallon drums of contaminated soil and 18 drums of contaminated oil were removed (EA, 1988a). The excavation area was backfilled with imported fill material. Lot 665-4 is currently used for vehicle-related equipment storage (REI, 1994a). During spring/summer of 1994, additional investigation and sampling required by the EPA and the State of Utah will be conducted to verify that PCB contamination has not occurred at SWMU 32. This area is designated CERFA disqualified due to the documented release of PCBs.

4.2.1.2 Industrial Wastewater System

Portions of unlined ditches, which are located within the BRAC parcel and which transported wastewater to the Old Industrial Waste Lagoon (OIWL) (SWMU 30) and the IWL (SWMU 2) located outside the BRAC parcel, were classified as CERFA disqualified. Former areas of standing liquid identified on aerial photographs associated with SWMU 30 ditches were also classified as CERFA disqualified. From the 1940s until 1965, wastewater generated by the boiler plant, metal parts cleaning, degreasing, steam cleaning operations, and dynamometer test cells flowed into the SWMU 30 OIWL through unlined ditches from Outfalls F, G, H, J, K, and L in the BRAC parcel. Industrial operations which generated wastewater made use of a number of organic solvents. In 1965, discharges through these outfalls to the OIWL were eliminated. From 1965 until November 1988, wastewater flowed into the SWMU 2 IWL through four unlined ditches from Outfalls B, C, D, and E in the BRAC parcel. In November 1988, discharges to the IWL were eliminated. Closure of the IWL and the associated wastewater ditches was completed by November 1, 1989 (JMM, 1989). Remediation and/or capping of ditches from former Outfalls B, C, D, and E has occurred associated with closure of the IWL. Similar remedial activities have not occurred for ditches from former Outfalls F, G, H, J, K, and L to the OIWL. Wastewater now flows to the IWTP for treatment via the current wastewater distribution system.

4.2.1.3 TCE Groundwater Plumes

The distribution of TCE contamination from previous industrial wastewater disposal practices, particularly operation of the IWL (SWMU 2), has resulted in a groundwater plume centered beneath the wastewater ditches. The plume extends radially in all directions, but principally towards the northwest, which is the general direction of groundwater flow in the vicinity (JMM, 1989). The plume, as defined by the 5 micrograms per liter ($\mu\text{g/L}$) isoconcentration contour, is estimated to be a maximum of 400 feet thick near the center and contains an estimated 36 billion gallons of groundwater (JMM, 1988). The 5 $\mu\text{g/L}$ TCE isoconcentration line extends slightly past the northern installation boundary (ACE, 1993).

The remediation strategy for the TEAD-N plume incorporates extraction wells, injection wells, and air stripping. Extraction treatment and injection of groundwater are common remedial techniques, especially for VOC contaminants of concern. The selected remediation technology should be effective, as the aquifers beneath the installation readily yield water to wells, and all of the VOCs detected at TEAD-N are efficiently removed from water by air stripping (JMM, 1989).

Mr. Walt Levi, the design engineer with the TEAD Environmental Office in charge of the pump and treat remediation program for the TCE plume, states that the system possesses an 8,000 gallons per minute design capacity, with an estimated 30 year operating life. Using 13 extraction wells and 13 injection wells, the facility is treating approximately 5,000 gallons of groundwater per minute (REI, 1994b). Groundwater plume treatment operations are being monitored closely by various regulators, as well as the on-post Environmental Office.

As per CERFA guidance, the groundwater plume constitutes a petroleum and hazardous substance release; therefore, the BRAC parcel is disqualified throughout the area encompassed by the groundwater plume (Map 5-1). The existence of remediation efforts such as the pump and treat system described above do not change the status of a CERFA disqualified parcel. As a result, the boundaries of the plume at its maximum extent define the associated disqualified area. The plume's 0.1 $\mu\text{g/L}$ isoconcentration line was used to identify

the extent of the groundwater plume during the CERFA investigation, as this represented the maximum plume extent displayed in available documents from previous TEAD investigations (Advanced Sciences, Inc., 1991).

The Sanitary Landfill, SWMUs 12 and 15, is a secondary source of groundwater contamination in the BRAC parcel. The Sanitary Landfill is located in an arroyo just outside of the southern boundary of the Maintenance and Supply Area portion of the BRAC parcel. The Sanitary Landfill is approximately 100 acres in size, has been in operation since 1942, and will continue to be used for disposal of large bulky items such as construction debris until November 1995. Previously, the landfill received both hazardous and nonhazardous wastes during its operation. Past waste management practices consisted of burying the wastes in trenches. Numerous contaminants including TCE, 1,2-dichloroethylene, benzene, cyclonite, silver, and hydrocarbons have been detected in downgradient groundwater wells. The resulting plume associated with the Sanitary Landfill has been identified at the southern end of the Maintenance and Supply Area, and appears to be migrating in a northwesterly direction intersecting the southernmost extent of the TCE plume associated with the IWL. High concentrations of TCE have been detected in monitoring wells within the southernmost part of the BRAC parcel at the northernmost extent of the plume originating from the Sanitary Landfill (REI, 1994b). The plume originating in the Sanitary Landfill is smaller in aerial extent and less well defined than the plume associated with the IWL. The groundwater flow direction in the vicinity of the Sanitary Landfill plume indicates that contaminated groundwater from this source will also be intercepted and remediated by the pump and treat system currently in operation at TEAD-N.

Due to the large portion of the TEAD BRAC parcel underlain by these coalescing plumes, the disqualified parcel associated with them (1D) is the largest parcel identified during the CERFA investigation. Many of the BRAC parcel structures, OSLs, and other features included in the plume area are also disqualified and/or qualified based on characteristics associated with each of these individual locations. Details regarding disqualifiers and qualifiers associated with these locations encompassed by the groundwater plumes are presented in Section 5.0 and Appendix C.

4.2.1.4 Limited Underground Storage Tank Remediation

Contamination from some USTs from which releases have occurred have been remediated via removal actions. Primary remediation efforts have involved sites with the greatest potential threat to human health and the environment. Presently a management plan is in effect for USTs which still exist. Additional UST release remediation is scheduled to occur; however, a comprehensive itinerary or schedule for these actions is not available. Areas at which releases from USTs are presently suspected, and areas of remediated contamination associated with former USTs are classified as CERFA disqualified.

4.2.2 CERFA Designation of Hazardous Material or Petroleum Release or Disposal Sites

Based on the criteria presented above, sites in the BRAC parcel where releases or disposal of hazardous substances, hazardous wastes, petroleum products or their derivatives have occurred are considered CERFA disqualified. Historical information; existing documentation from previous investigations (including the Environmental Compliance Assessment System (ECAS) Audit (DIRM, 1993), the Final RI Investigation Report (REI, 1994a), the Phase I RFI Investigation Report (MW, 1993), and the Aerial Photographic Site Analysis of the BRAC

Parcel (ERI, 1993); on-site inspections; employee and regulator interviews; and TEAD-N spill reports and inventory records provided by the Environmental Office were investigated to determine CERFA parcels disqualified based on this criterion.

4.2.3 CERFA Designation of Hazardous Material or Petroleum Storage Sites

Based on the criteria presented above, sites in the BRAC parcel where bulk storage of hazardous substances, hazardous wastes, petroleum products or their derivatives has occurred are considered CERFA disqualified, if the duration of storage is at least 1 year. Historical information; existing documentation from previous investigations (including the ECAS audit); on-site inspections; employee and regulator interviews; and the TEAD-N hazardous materials inventory and usage report, UST inventories, an AST inventory, hazardous waste manifest information, and lists of 90-day storage yards and satellite collection points provided by the Environmental Office were investigated to determine CERFA parcels disqualified based on this criterion. Propane ASTs were included in the BRAC parcel AST inventory; however, their existence alone does not constitute a disqualifier. The TEAD-N hazardous materials inventory and usage report is included in Appendix A.

For classification purposes, waste oil was considered a hazardous substance rather than a petroleum derivative, based on the fact that waste oil commonly contains contaminants such as metals, at high concentrations. Disqualifier designations resulting from the presence of USTs, ASTs, and waste collection areas (for example, 90-day storage yards) were assigned to the adjacent individual structure associated with each of these features, although the physical location of these features may not exactly correspond to that of the associated structure. This approach is valid based on the fact that the minimum area disqualified by any feature is 1 acre and the fact that these disqualifiers are in close proximity to the structures they are associated with.

4.2.4 CERFA Designation of Contamination from Off-Parcel Sources

The perimeter of the BRAC parcel was investigated during the CERFA investigation to determine whether any off-parcel locations were potentially impacting the BRAC parcel. Contamination from a groundwater TCE plume associated with the Sanitary Landfill (SWMUs 12 and 15), has impacted the southwestern edge of the BRAC parcel. The portion of the BRAC parcel impacted by contamination from SWMUs 12 and 15 has been classified as CERFA disqualified.

The potential for impact to the BRAC parcel associated with the SWMU 35 Wastewater Spreading Area along the western edge of the Administration Area was also investigated. No evidence of impact to the BRAC parcel from SWMU 35 operations was observed or obtained during the CERFA investigation.

Documented releases of contamination potentially impacting the BRAC parcel from off-post sources along the perimeter of the subject property were not observed or otherwise determined to be likely based on interviews, file searches, and a windshield survey of this portion of the BRAC boundary. Therefore, no parcels are disqualified based on this criterion presented above.

4.3 CERFA QUALIFIED PARCELS

Military installations frequently contain issues which the USAEC believes fall outside of the provisions of CERFA. For example, while a release of lead-based paint onto the ground may be a CERCLA concern, the application of lead-based paint to a building surface is generally not. However, lead-based paint applied to buildings may represent a safety hazard to young children. Similarly, other substances or materials commonly applied to or found in buildings (for example, radon and asbestos) may not be explicitly regulated under CERCLA, but may require a notice to potential transferees and lessees that they exist.

USAEC has sought to balance the statutory requirements of CERFA with the law's intent to identify uncontaminated property to the public which can be expeditiously reused. Notice has been provided for those parcels which appear to be uncontaminated under the definition provided in CERFA, but which may contain environmental, hazard, or safety issues. Buildings which contain ACM, lead-based paint, or naturally occurring radon fall into this category and are identified as "CERFA parcels with qualifiers" in this CERFA report. Parcels which contain stored (not in use) equipment which contain oils with PCBs at concentrations greater than 50 parts per million (ppm), stored low level radionuclide-containing equipment such as dials and weapon site posts, and UXO are also designated "CERFA parcels with qualifiers."

CERFA parcels with qualifiers are presented on Map 5-1. Several relatively small CERFA parcels with qualifiers were delineated in both the Maintenance and Supply Area and the Administration Area of the BRAC parcel. One acre grid cells within the BRAC parcel were designated as CERFA qualified only if known and suspected disqualifiers were completely absent throughout the entire 1 acre area of the grid cell, and activities occurring on adjacent properties either currently or in the past, have not threatened these areas where only known or suspected qualifiers are present. The vast majority of the CERFA parcels with qualifiers in the TEAD-N BRAC parcel were designated as qualified due to the existence of known or possible ACM and possible lead-based paint.

4.3.1 Asbestos

Asbestos information was obtained from a TEAD-N asbestos survey conducted in 1991 by Pickering Environmental Consultants, Inc. (Pickering, 1991). Any BRAC structure in which any asbestos was detected at any concentration (including results reported only as "assumed positive") was designated as qualified due to asbestos. The asbestos survey concentrated on structures occupied at the time of the survey, therefore many structures in the BRAC parcel were not included. The date of the building construction was used to determine the probability of the presence of ACM in structures for which no asbestos survey information was available. Any such structure constructed before 1985 was designated as possible ACM. Structures constructed in 1985 or after were assumed to be free of ACM.

4.3.2 Radon

A limited radon survey was conducted by the TEAD-N Safety Office. As was the case with asbestos, the radon survey emphasized structures which were occupied at the time it was conducted. Radon was not detected in any structures during the survey at concentrations in excess of the 4 picocuries per liter air action level established by the EPA. Based on the results of the limited radon survey and the absence of basements in all BRAC parcel

structures, radon was not used as a qualifier. The one exception was Building 611, which is the only structure within the BRAC parcel that has a basement; therefore Building 611 was designated as possibly containing radon in the absence of specific survey information.

4.3.3 Radionuclides

Buildings 117 and 659 are the only structures in the BRAC parcel where radionuclides were confirmed to be present during the CERFA investigation. Storage of small radioactive sources for use by the Safety Office occurs in Building 117. Licensed storage of radionuclides in SWMU 18, located in Building 659, occurs in approved containers in a secured room. Due to current radionuclide storage at both Buildings 117 and 659, these areas were designated as qualified.

Based on a review of radioactive material usage files for TEAD prepared by the Army Environmental Health Laboratory and the Army Environmental Hygiene Agency, and information presented in the TEAD Installation Assessment (USATHAMA, 1979), potential storage of low level radionuclide-containing equipment occurred in several structures throughout the Maintenance and Supply Area and the DRMO in the past. Despite the fact that none of these locations currently store radioactive materials, these Maintenance and Supply Area structures and the entire DRMO have been designated as qualified for possible radionuclides in the absence of a formal radiological survey (which is scheduled for the near future) at these locations.

No additional structures, storage lots, or other areas within the BRAC parcel were confirmed or suspected to contain radionuclides during the CERFA investigation. However, former drummed radioactive waste storage was documented to have occurred in drums in the vicinity of OSL 707, at SWMU 9, located in the northeastern portion of the Maintenance and Supply Area of the BRAC parcel (REI, 1994a). Radioactive waste storage no longer occurs at SWMU 9, and radiological surveys conducted after the waste was removed did not indicate the presence of radionuclides at concentrations in excess of background levels. However, in the absence of information regarding procedures implemented to conduct these radiological surveys, this SWMU has been designated as qualified for possible radionuclides.

4.3.4 Polychlorinated Biphenyls

As per CERFA guidance, a variety of factors must be considered to classify areas within the BRAC parcel which contain PCBs. PCBs in transformers which are in use and are not leaking do not prohibit an area from being designated as a CERFA parcel. PCBs are considered a qualifier where storage of PCB-contaminated and/or PCB transformers occurs, if PCB concentrations are in excess of the 50 ppm Federal and State regulatory threshold. PCBs are only considered a disqualifier if past or present releases of PCBs have occurred at any concentration. Once contamination from a disqualifier has occurred, removal and/or remediation of the hazard in a parcel does not permit the removal of the disqualified designation.

During the CERFA investigation, the 1993 Annual PCB/PCB-Contaminated Transformer Audit Inspection was used to determine the status of transformers within the BRAC parcel which contained PCBs. None of the transformers from which PCBs were released, as identified during the 1993 Audit Inspection, were located in the BRAC parcel. Individual spill reports

and Spill Incident Summary printouts also did not indicate that recent releases of PCBs not already addressed as SWMUs have occurred in the TEAD-N BRAC parcel.

SWMUs 17, 31, 32, 33, and 53 (soils outside of Buildings 659 and 679) were also evaluated during the CERFA investigation, as PCBs were reported present at each of these sites previously (REI, 1994a).

Transformers stored at SWMU 33, a Toxic Substances Control Act-permitted storage facility for transformers located in Building 659, contain PCBs in excess of 50 ppm; as such, this building was classified as CERFA qualified with respect to PCBs. No documented releases of PCBs have been reported associated with this storage facility.

SWMU 31, the Former Transformer Boxing Area located in OSL 680, is a former PCB storage site where storage of PCBs no longer occurs. No reported spills or visual evidence of PCB releases are associated with SWMU 31. However, in the absence of analytical data confirming that PCBs are not present in SWMU 31 soils, OSL 680 has been designated CERFA disqualified due to possible PCBs.

The remaining sites in BRAC at which PCBs were present in the past (SWMUs 17, 32, and 53) are classified as disqualified, as documented releases of PCBs have occurred at these locations.

4.3.5 Lead-Based Paint

In the absence of any lead-based paint survey data, construction date was the sole indicator of the probability of such material. Specifically, the presence of lead-based paint in any structure built before 1978 was noted as a possible qualifier; however, for any structure built in 1978 or later, lead-based paint was assumed not to be present.

4.3.6 Unexploded Ordnance

Based on the nature of the administrative and vehicle and equipment remanufacturing activities which are presently performed in the BRAC parcel, and limited information regarding past usage of this area, UXO are not expected to be present. No evidence of UXO was observed during the site visits. Scrap metal from disassembled ordnance is present at the DRMO; however, this material is not classified as UXO, since it is completely inert.

4.4 CERFA PARCELS

CERFA parcels are presented on Map 5-1. As anticipated, only a small section of the Maintenance and Supply Area portion of the BRAC parcel and a relatively larger portion of the Administration Area of the BRAC parcel were designated as CERFA parcels during the investigation. One acre grid cells within the BRAC parcel were designated as a CERFA parcel only if known and suspected disqualifiers and/or qualifiers were completely absent throughout the entire 1 acre area of the grid cell, and activities occurring on adjacent properties, either currently or in the past, have not threatened these areas with contamination.

4.5 CERFA EXCLUDED PARCELS

CERFA excluded parcels are presented on Map 5-1. No CERFA excluded parcels exist entirely within the TEAD-N BRAC parcel. A long linear strip of CERFA excluded property

partially bisects the eastern half of the portion of the BRAC parcel located in the Maintenance and Supply Area, however. This excluded area contains a railroad spur that will be necessary to conduct operations in retained portions of the TEAD-N installation. The remainder of the TEAD-N installation not encompassed by the 1,684 acre BRAC parcel is also considered CERFA excluded. The following areas are included in this residual enclave to be retained by the Army:

- ◆ TEAD-N Ammunition Storage Areas
- ◆ Building 1 TEAD Headquarters, including the Directorate of Engineering and Housing and the Directorate of Logistics support facilities

5.0 CERFA PARCELIZATION SUMMARY

After concluding the review of investigation documents, regulatory records, personnel interviews, and visual inspections, AGEISS identified parcels on the installation as CERFA parcels, CERFA parcels with qualifiers, CERFA disqualified parcels, or CERFA excluded parcels in accordance with the definitions in Section 1.2 of this report. The parcels are delineated on a map of the BRAC portion of the installation using a one acre square grid for boundary definition. The entire 1-acre grid square is colored or shaded to indicate the applicable parcel category based on the history of storage or release for any portion of that square. Parcels are labelled according to a system outlined in Section 1.2 of this report to indicate the applicable parcel category and the contaminating circumstances. Parcel labels are connected to the respective parcel boundaries by a line or are located within the parcel boundaries.

The Army chose a 1-acre grid system to aid in the presentation of data gathered during the CERFA report investigation, and to facilitate use of the document by reuse groups and others. The 1-acre grid provided a consistent method to report and locate environmental or other concerns. In the many cases where the concerns are much smaller than 1 acre, the grid system simplifies the depiction of the concern.

Additionally, the 1-acre grid size was chosen as a generally redevelopable parcel size for either industrial or residential uses. However, the grid does not drive reuse or restrict it. Reuse decisions should be made irrespective of the grid.

Where CERFA disqualified parcels and CERFA parcels with qualifiers have coincided, the overlapped area has been designated CERFA disqualified. Labels for any such overlapped parcels also indicate the presence of the qualifying hazards. CERFA excluded parcels have been excluded from this investigation of contaminant locations and therefore have no overlapping CERFA disqualified parcels or CERFA parcels with qualifiers. A complete list of structures within each CERFA parcel and the qualifiers and disqualifiers associated with each structure is included in Table 5-1, as the scale of Map 5-1 prohibits this level of detail.

AGEISS' investigation and subsequent parcelization of the TEAD-N BRAC parcel determined that approximately 577 acres of the facility fall within the CERFA parcel category. The CERFA parcels are located predominantly in the eastern portion of the Maintenance and Supply Area of the BRAC parcel and throughout much of the Administration Area of the BRAC parcel. Approximately 47 acres of the facility are categorized as CERFA parcels with qualifiers. Approximately 1,060 acres constitute the CERFA disqualified portion of the BRAC parcel. The remainder of the TEAD-N facility is designated CERFA excluded, as it will be retained by the Army.

In determining the applicable parcel categories for the installation property, AGEISS observed the following guidance provided by the USAEC for specific circumstances:

- ◆ In the absence of specific survey or sampling results, buildings constructed prior to 1978 are assumed to contain lead-based paint. A similar assumption is made for asbestos in buildings constructed prior to 1985, if additional data is unavailable.

- ◆ Storage of petroleum products, petroleum derivatives and CERCLA-regulated hazardous substances prevent an area from becoming a CERFA parcel as long as that storage is for 1 year or greater. The quantity of substances stored is not relevant to determining the applicable parcel category. However, if the operation requiring such substances is in the immediate area, and the storage is in limited quantities for immediate use, the area is not precluded from being a CERFA parcel.
- ◆ Non-leaking equipment containing less than 50 ppm PCBs does not preclude an area from becoming a CERFA parcel. Non-leaking, out-of-service equipment with greater than 50 ppm PCBs will place an area in the CERFA parcel with qualifier category. An area is designated CERFA disqualified if there is a known release containing PCBs at any concentration.
- ◆ Areas where there are transport systems or process equipment which handle hazardous material or petroleum products and upon which there have been no release, storage, or disposal are categorized as CERFA parcels.
- ◆ Ordnance disposal locations are designated CERFA disqualified. This does not include ordnance impact areas which are designated CERFA parcels with qualifier.
- ◆ Routine pesticide and herbicide application in accordance with manufacturer's directions or the presence of chlorofluorocarbons and halon in operational systems do not preclude an area from becoming a CERFA parcel.
- ◆ Coal storage piles and railroad tracks do not alone preclude an area from becoming a CERFA parcel.

5.1 CERFA PARCEL DESIGNATION MAP

Map 5-1 presents the categorization of the TEAD-N BRAC parcel according to the criteria for parcel identification under CERFA. Twenty-three parcels were delineated in the TEAD-N BRAC parcel during the CERFA investigation. A total of seven CERFA disqualified parcels were identified; three of which are located in the Maintenance and Supply Area (1D, 2D, and 3D), and four of which are in the Administration Area (4D through 7D). Ten CERFA qualified parcels were identified; six of which are located in the Maintenance and Supply Area (8Q through 13Q), and four of which are in the Administration Area (14Q through 17Q). The remaining six parcels were classified as CERFA parcels; two of which are located in the Maintenance and Supply Area (18Q and 19Q), and four of which are in the Administration Area (20P and 23P). Table 5-1 provides details regarding specific qualifiers and disqualifiers for each building, OSL, or other feature in the 23 designated parcels presented on Map 5-1. Appendix C contains a database printout, arranged by building and OSL number, of all disqualifiers and qualifiers used to generate Map 5-1.

5.2 TRACT MAP

The property boundaries and all property transfers including prior ownership information is shown in Figure 5-1.

5.3 SUMMARY CERFA MAP

Figure 5-2 summarizes the breakdown of the TEAD-N BRAC parcel according to the criteria for parcel identification under CERFA.

Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS/AR(P)/RD/P/L(P)	Maintenance and Supply Area 876 Acres AREEs 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, and 18 Column: 18 Row: 78	Disqualified	<p><u>Building 576</u>: Possible petroleum release; possible hazardous substance release, hazardous materials storage; possible asbestos; and possible lead-based paint (D-PR(P)/HR(P)/HS(A)/P/L(P)).</p> <p><u>Building 587</u>: Hazardous substance storage and possible lead-based paint (D-HS/L(P)).</p> <p><u>Buildings T-589 and 597</u>: Detected asbestos and possible lead-based paint (Q-A/L(P)).</p> <p><u>Building S-590</u>: Hazardous substance storage; detected asbestos; and possible lead-based paint (D-HS/AL(P)).</p> <p><u>Buildings S-592, S-593, 596, 600-A, 600-B, S-610A, S-611A, 613A, 615-C, 615-PI, 618-A, 626F, 628, 633, 637-A, 637-B, 637-C, S-641, S-650, S-651, 653, S-660, S-667, S-669, S-670, 673, S-674, S-675, S-676, S-687, S-689, 690, 693, S-697, S-752, and Round Tank Warehouses 814, 822, 830, through 832, 839 through 843, 849 through 852, 859 through 863, 869 through 900, and 903 through 928</u>: Possible asbestos and possible lead-based paint (Q-A(P)/L(P)).</p> <p><u>Building S-595</u>: Heating oil UST; detected asbestos; and possible lead-based paint (D-PS/AL(P)).</p> <p><u>Building 600</u>: Petroleum ASTs; located in SWMU 4 - documented hazardous substance release; possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); possible petroleum release from compressor condensate drain; hazardous waste collection; waste oil collection; detected asbestos; and possible lead-based paint (D-PR(P)/PS/HR/HS/AL(P)).</p> <p><u>Building 600-C</u>: Possible hazardous substance spill release; hazardous materials storage; and hazardous waste collection (D-HR(P)/HS).</p> <p><u>Building S-601</u>: Possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); hazardous waste collection; detected asbestos; and possible lead-based paint (D-PR(P)/HR(P)/HS/AL(P)).</p>	<p>Historical information</p> <p>Existing records, documentation, and inventories</p> <p>Visual inspections and on-site observations</p> <p>Employee and regulator interviews</p> <p>Construction data for each structure</p> <p>TEAD-N Final Remedial Investigation Report for Operating Units 5 and 6 (REI, 1994a)</p> <p>Final Phase I RCRA Facility Investigation Report TEAD-N Suspected Releases SWMUs (MW, 1993)</p> <p>Aerial Photographic Site Analysis - BRAC Parcel (ERI, 1993)</p> <p>TEAD Installation Assessment (USATHAMA, 1979)</p> <p>Radioactive material usage files</p>	<p>Recommendations for ENPA AREEs 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 15, 16, 17, and 18 (see Table 4-1).</p>

NOTE: An acronym list is provided on the last page of this table.

Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS/ AR(P)/RD/P/L(P) (Continued)			<p><u>Building 602:</u> Petroleum AST; possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); located in SWMU 47 - possible hazardous substance release; possible hazardous material spill; hazardous waste collection; waste oil collection; detected asbestos; and possible lead-based paint (D-PR(P)/PS/HR(P)/HS/AL(P)).</p> <p><u>Buildings 603 and 613:</u> Possible petroleum release from compressor condensate drain; possible sand blasting hazardous substance release (SWMU 54); hazardous substance storage; hazardous waste collection; detected asbestos; and possible lead-based paint (D-PR(P)/HR(P)/HS/AL(P)).</p> <p><u>Building S-604:</u> Possible sand blasting hazardous substance release (SWMU 54); hazardous waste collection; detected asbestos; and possible lead-based paint (D-HR(P)/HS/AL(P)).</p> <p><u>Building S-605:</u> Hazardous substance storage; hazardous waste collection; detected asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-HS/ARD(P)/L(P)).</p> <p><u>Building S-606:</u> Heating oil UST; located in SWMU 47 - possible hazardous substance release; possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); hazardous waste collection; possible asbestos; and possible lead-based paint (D-PR(P)/PS/HR(P)/HS/AL(P)).</p> <p><u>Building 607:</u> Possible hazardous material spill release; hazardous waste collection; waste oil collection; detected asbestos; and possible lead-based paint (D-HR(P)/HS/AL(P)).</p> <p><u>Building S-608:</u> Storage of petroleum products and hazardous substances observed during site visits; possible hazardous substance spill release; hazardous waste collection; detected asbestos; and possible lead-based paint (D-PS/HR(P)/HS/AL(P)).</p> <p><u>Building S-609:</u> Possible petroleum and possible hazardous substance release associated with old wastewater distribution system and radiator repair facility (SWMU 49); hazardous substance spill release; hazardous substance storage; hazardous waste collection; detected asbestos; and possible lead-based paint (D-PR(P)/HR/HS/AL(P)).</p> <p><u>Building S-610:</u> Heating oil UST; located in SWMU 47 - possible hazardous substance release; possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); possible asbestos; and possible lead-based paint (D-PR(P)/PS/HR(P)/AL(P)).</p>		

NOTE: An acronym list is provided on the last page of this table.

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Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS/ AR(P)/RD(P)/L(P) (Continued)			<p><u>Building S-611:</u> Possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); regulated petroleum UST storage; hazardous materials storage; hazardous waste collection; waste oil collection; detected asbestos; possible radon due to existence of basement; and possible lead-based paint (D-PR(P)/PS/HR(P)/HS/AR(P)/L(P)).</p> <p><u>Building 612:</u> Possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); possible sand blasting hazardous substance release (SWMU 54); hazardous substance storage; hazardous waste collection; detected asbestos; and possible lead-based paint (D-PR(P)/HR(P)/HS/AL(P)).</p> <p><u>Buildings S-614 and S-616:</u> Heating oil UST; detected asbestos; and possible lead-based paint (D-PS/AL(P)).</p> <p><u>Building 615:</u> Possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); located in SWMU 4 - documented hazardous substance release; possible hazardous substance spill release; hazardous substance storage; hazardous waste collection; detected asbestos; and possible lead-based paint (D-PR(P)/HR/HS/AL(P)).</p> <p><u>Building 615-D:</u> Hazardous substance storage; possible asbestos; and possible lead-based paint (D-HS/A(P)/L(P)).</p> <p><u>Building S-617:</u> Located in SWMU 4 - documented hazardous substance release; hazardous waste collection; detected asbestos; and possible lead-based paint (D-HR/HS/AL(P)).</p> <p><u>Building S-618:</u> Location of SWMU 55 - possible former petroleum release; possible former petroleum storage; possible previous hazardous substance spill release; hazardous substance storage during previous metal plating and battery shop operations (SWMU 55); detected asbestos; and possible lead-based paint (D-PR(P)/PS(P)/HR(P)/HS/AL(P)).</p> <p><u>Building 619:</u> Petroleum AST; possible petroleum release from compressor condensate drain (SWMU 50); possible hazardous substance spill release; hazardous substance storage; hazardous waste collection; waste oil collection; possible radionuclides from previous storage; and possible lead-based paint (D-PR(P)/PS/HR(P)/HS/RD(P)/L(P)).</p> <p><u>Building S-620:</u> Possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); former hazardous substance release; hazardous substance storage; hazardous waste collection; waste oil collection; detected asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-PR(P)/HR/HS/AR(D)/P/L(P)).</p>		

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Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS/AR(P)/RD(P)/L(P) (Continued)			<p>Building S-621: Former hazardous substance storage; detected asbestos; and possible lead-based paint (D-HS/AL(P)).</p> <p>Buildings S-621R, 624, S-631R, S-647R, S-651R, S-657R, S-661R, S-667R, S-677R, and S-687R: Heating oil AST; possible asbestos; and possible lead-based paint (D-PS/AP/L(P)).</p> <p>Building 622: Heating oil AST; possible lead-based paint (D-PS/L(P)).</p> <p>Building 623: Possible petroleum and possible hazardous substance release associated with concrete pads previously used as drying beds; heating oil UST; and possible radionuclides from previous storage (D-PR(P)/PS/HR(P)/RD(P)).</p> <p>Building 627: Possible petroleum release - reported overflow of heating oil UST; detected asbestos; and possible lead-based paint (D-PR(P)/PS/AL(P)).</p> <p>Building S-629: Regulated petroleum USTs and regulated solvent UST; documented petroleum UST release; possible release associated with solvent UST; detected asbestos; and possible lead-based paint (D-PR/PS/HR(P)/HS/AL(P)).</p> <p>Building S-630: Hazardous waste collection, detected asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-HS/ARD(P)/L(P)).</p> <p>Building S-631: Possible hazardous substance spill release; detected asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-HR(P)/ARD(P)/L(P)).</p> <p>Building S-637: Possible petroleum and possible hazardous substance release observed on aerial photographs; regulated fuel USTs; heating oil USTs; fuel ASTs; releases associated with USTs; located in SWMU 47 - possible hazardous substance release; hazardous substance spill release; possible petroleum and possible hazardous substance release associated with old wastewater distribution system (SWMU 49); possible sand blasting hazardous substance release (SWMU 54); hazardous substance storage; hazardous waste collection; waste oil collection; detected asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-PR/PS/HR/HS/ARD(P)/L(P)).</p>		

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Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS/ AR(P)/RD(P)/L(P) (Continued)			<p><u>Building S-638:</u> Petroleum storage and hazardous substance storage observed during site visits; possible asbestos; and possible lead-based paint (D-PS/HS/A(P)/L(P)).</p> <p><u>Building S-639:</u> Fuel AST; hazardous substance storage; hazardous waste collection; detected asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-PS/HS/AR/D(P)/L(P)).</p> <p><u>Building S-640 and Round Tank Warehouses 901 and 902:</u> Possible asbestos; possible radionuclides from previous storage; and possible lead-based paint (Q-A(P)/RD(P)/L(P)).</p> <p><u>Building S-641R:</u> Possible heating oil tank; possible asbestos, and possible lead-based paint (D-PS(P)/A(P)/L(P)).</p> <p><u>Building S-647:</u> Possible petroleum and possible hazardous substance release observed on aerial photographs; fuel AST; possible petroleum release from compressor condensate drain; possible sand blasting hazardous substance release (SWMU 54); possible hazardous substance spill release; hazardous substance storage; hazardous waste collection; detected asbestos; and possible lead-based paint (D-PR(P)/PS/HR(P)/HS/AL(P)).</p> <p><u>Buildings S-649, S-661, and S-677:</u> Detected asbestos and possible lead-based paint (Q-AL(P)).</p> <p><u>Building 655:</u> Heating oil AST; detected asbestos; and possible lead-based paint (D-PS/AL(P)).</p> <p><u>Building 656:</u> Possible petroleum release; former petroleum storage; possible hazardous substance release; possible asbestos; and possible lead-based paint (D-PR(P)/PS/HR(P)/A(P)/L(P)).</p> <p><u>Building S-657:</u> Hazardous waste collection; detected asbestos; and possible lead-based paint (D-HS/AL(P)).</p> <p><u>Building S-659:</u> Possible hazardous PCB release to soil adjacent to structure (SWMU 53); detected asbestos; licensed radioactive materials storage (SWMU 18); permitted PCB transformer storage (SWMU 33); and possible lead-based paint (D-HR(P)/A/RD(P)/L(P)).</p> <p><u>Building S-671:</u> Heating oil UST; heating oil AST; detected asbestos; and possible lead-based paint (D-PS/AL(P)).</p> <p><u>Building S-672:</u> Heating oil AST; possible asbestos; and possible lead-based paint (D-PS/A(P)/L(P)).</p>		

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Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS/ AR(P)/RD(P)/L(P) (Continued)			<p>Building S-679: Heating oil AST; possible hazardous PCB release to soil (SWMU 53); possible asbestos; and possible lead-based paint (D-PS/HR(P)/A(P)/L(P)).</p> <p>Building 691: Possible petroleum and possible hazardous substance release from wastewater outfall; fuel and heating oil USTs; fuel ASTs; possible release from USTs; located in SWMU 47 - possible hazardous substance release; hazardous substance storage; hazardous waste collection; waste oil collection; and detected asbestos (D-PR(P)/PS/HR(P)/HS(A)).</p> <p>Buildings 710, 712, and 713: Hazardous waste collection and hazardous substance storage (D-HS).</p> <p>Building 711: Emergency generator fuel AST (D-PS).</p> <p>Buildings 714 and 716: Hazardous substance storage (D-HS).</p> <p>Building 715: Located in SWMU 38 - documented hazardous substance release and hazardous waste collection (D-HR/HS).</p> <p>Building S-735: Heating oil UST; flammable materials storage; and possible lead-based paint (D-PS/HS/L(P)).</p> <p>Building S-753: Possible heating oil UST; detected asbestos; and possible lead-based paint (D-PS(P)/A/L(P)).</p> <p>Buildings 2000, 2002, 2004, 2005, 2006, 2007, S-2008, 2014, and 2015: Located in SWMU 26 - documented hazardous substance release; possible asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-HR/A(P)/RD(P)/L(P)).</p> <p>Building 2001: Located in SWMU 26 - documented hazardous substance release; hazardous waste collection; possible asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-HR/HS(A)/RD(P)/L(P)).</p> <p>Building 2003: Petroleum storage and hazardous substance storage observed during site visits; located in SWMU 26 - documented hazardous substance release; possible asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-PS/HR/HS(A)/RD(P)/L(P)).</p> <p>Building S-2009: Heating oil AST; located in SWMU 26 - documented hazardous substance release; possible radionuclides from previous storage; and possible lead-based paint (D-PS/HR/RD(P)/L(P)).</p>		

NOTE: An acronym list is provided on the last page of this table.

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Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS/ AR(P)/RD(P)/L(P) (Continued)			<p>Building S-2010: Heating oil UST; located in SWMU 26 - documented hazardous substance release; and possible radionuclides from previous storage (D-PS/HR/RD(P)).</p> <p>Buildings 2011 and 2013: Heating oil/emergency generator USTs; located in SWMU 26 - documented hazardous substance release; possible asbestos; possible radionuclides from previous storage; and possible lead-based paint (D-PS/HR/A(P)/RD(P)/L(P)).</p> <p>Building 2012: Heating oil AST; located in SWMU 26 - documented hazardous substance release; possible radionuclides from previous storage; and possible lead-based paint (D-PS/HR/RD(P)/L(P)).</p> <p>Building 2016: Located in SWMU 26 - documented hazardous substance release; possible asbestos; and possible radionuclides from previous storage (D-HS/A(P)/RD(P)).</p> <p>Building 2020: Heating oil AST; located in SWMU 26 - documented hazardous substance release; and possible radionuclides from previous storage (D-PS/HR/RD(P)).</p> <p>Building S-2025: Located in SWMU 26 - documented hazardous substance release; hazardous waste collection; possible radionuclides from previous storage; and possible lead-based paint (D-HR/HS/RD(P)/L(P)).</p> <p>CMF Building: Regulated USTs; petroleum and hazardous substance ASTs; hazardous substance storage; hazardous waste collection; waste oil collection; and remediated petroleum release and remediated hazardous substance release in portions of former Outfalls D and E now under CMF (D-PR/PS/HR/HS).</p> <p>25 Ton Bridge Crane: Possible lead-based paint (Q-L(P)).</p> <p>Former Outfalls B, C, D, and E to IWL; and Former Outfalls F, G, H, J, K, and L to OIWL: Presently remediated and/or capped locations of former hazardous substance release and petroleum release associated with SWMUs 2 and 30 (D-PR/HR).</p> <p>Area of Previous Channel Failure Along Former Outfall B to IWL: Possible petroleum release and possible hazardous substance release (D-PR(P)/HR(P)).</p> <p>Two Former Trenches Identified on Aerial Photographs in the Maintenance and Supply Area of the BRAC Parcel: Possible petroleum disposal and possible hazardous substance disposal (D-PR(P)/HR(P)).</p>		

NOTE: An acronym list is provided on the last page of this table.

Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
1D - PR/PS/HR/HS/ AR(P)/RD(P)/L(P) (Continued)			<p>Three Areas of Standing Liquid Identified on Aerial Photographs in the Maintenance and Supply Area of the BRAC Parcel: Documented petroleum release and documented hazardous substance release associated with SWMU 30 (D-PR/HR).</p> <p>Former Drummed Radioactive Waste Storage Area: Possible radionuclides from former storage at two sites (Q-RD(P)).</p> <p>90-Day Drum Storage Area: Location of SWMU 28 - documented petroleum release; petroleum storage; documented hazardous substance release; and hazardous waste storage (D-PR/PS/HR/HS).</p> <p>Drum Storage Areas: Location of SWMU 29 - documented petroleum release; petroleum storage; documented hazardous substance release; and hazardous materials storage (D-PR/PS/HR/HS).</p> <p>OSL 655-5: Possible petroleum release and possible hazardous substance release observed during site visits at recycling area; petroleum AST storage; hazardous substance storage; and possible asbestos and possible lead-based paint at unnumbered/undated structures (D-PR(P)/PS/HR(P)/HS/A(P)/L(P)).</p> <p>OSL 665-4: Location of SWMU 32 - documented hazardous substance release (D-HR).</p> <p>OSL 675-2: Location of SWMU 17 - documented hazardous substance release (D-HR).</p> <p>OSL 680: Location of SWMU 31 - possible hazardous substance release (D-HR(P)).</p> <p>OSLs 830, 831, 840, 841, 850, 851, 860, 861, 862, 870, 871, and 872: Located in portions of SWMU 26 (DRMO) where open storage occurs and structures are absent - documented hazardous substance release; and possible radionuclides from previous storage (D-HR/RD(P)).</p>		
2D - PR(P)/HR(P)	Maintenance and Supply Area 4 Acres Column: 38 Row: 82	Disqualified	Formerly Disturbed Ground Identified on Aerial Photographs in the Eastern Portion of the Maintenance and Supply Area of the BRAC Parcel: Possible petroleum disposal and possible hazardous substance disposal (D-PR(P)/HR(P)).	Aerial Photographic Site Analysis - BRAC Parcel (ERI, 1993)	None Required.

NOTE: An acronym list is provided on the last page of this table.

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Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
3D - PR/PS/L(P)	Maintenance and Supply Area 2 Acres AREE 13 Column: 35 Row: 65	Disqualified	<u>Water Tank 581</u> : Possible lead-based paint (Q-L(P)). <u>Fuel Oil Tank 582</u> : Fuel oil storage with some reported minor overfills; and possible lead-based paint (D-PR/PS/L(P)).	AST inventory Visual inspections and on-site observations Employee interviews Construction date for each structure	Recommendations for AREE 13 (see Table 4-1).
4D - PR(P)/PSHR(P)/HS/AR/D/L(P)	Administration Area 146 Acres AREEs 10, 12, 13, 14, and 19 Column: 34 Row: 13	Disqualified	<u>Building 100</u> : Heating oil AST (D-PS). <u>Buildings S-101, S-103, S-104, S-110, S-111, and S-124</u> : Possible petroleum release associated with heating oil UST; detected asbestos and possible lead-based paint (D-PR(P)/PS/AL(P)). <u>Buildings 109 and S-108</u> : Heating oil UST and detected asbestos (D-PS/A). <u>Buildings 112 and 114, and Former Buildings 105 and 130</u> : Heating oil UST (removed at former building locations) (D-PS). <u>Buildings S-113, S-118, S-120, S-121, S-122, S-125, S-128, S-141, S-143, S-145, S-151, S-153, 1001, 1002, 1004, 1005, and 1010</u> : Heating oil UST; detected asbestos; and possible lead-based paint (D-PS/AL(P)). <u>Buildings S-115, S-119, S-123, and S-149</u> : Detected asbestos and possible lead-based paint (Q-AL(P)). <u>Building S-117</u> : Heating oil UST; detected asbestos; storage of small radioactive sources; and possible lead-based paint (D-PS/AR/D/L(P)). <u>Building S-139</u> : Possible petroleum release associated with heating oil UST; and detected asbestos (D-PR(P)/PS/A). <u>Building S-147</u> : Heating oil UST; heating oil AST; detected asbestos; and possible lead-based paint (D-PS/AL(P)). <u>Buildings S-150 and S-152</u> : Possible heating oil or UST and detected asbestos (D-PS(P)/A). <u>Building S-155</u> : Heating oil AST; detected asbestos; and possible lead-based paint (D-PS/AL(P)).	UST inventory AST inventory Visual inspections and on-site observations Employee interviews Hazardous waste collection information Asbestos survey Construction date for each structure Aerial Photographic Site Analysis - BRAC Parcel (ERI, 1993) TEAD Installation Assessment (USATHAMA, 1979) Radioactive material usage files	Recommendations for ENPA AREEs 10, 12, 13, 14, and 19 (see Table 4-1).

NOTE: An acronym list is provided on the last page of this table.

Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
4D - PR(P)/PS/HR(P) /HS/AR/DL(P) (Continued)			<p>Building 1000: Heating oil UST; petroleum AST; hazardous substance storage; detected asbestos; and possible lead-based paint (D-PS/HS/AL(P)).</p> <p>Buildings 1008, 1011, and 1110: Possible asbestos (Q-A(P)).</p> <p>Buildings 1009, 1020, 1111, 1112, and the Tooele Valley High School: Possible asbestos and possible lead-based paint (Q-A(P)/L(P)).</p> <p>Demolished Former Base Housing Tract: Possible petroleum storage from ASTs and/or USTs which may have been used to supply heating oil to the residences (D-PS(P)).</p> <p>Fenced Area (Former Motor Pool): Possible petroleum release; possible former petroleum storage; possible hazardous substance release; and possible former hazardous substance storage (D-PR(P)/PS(P)/HR(P)/HS(P)).</p> <p>Former Bermed Area Identified on Aerial Photographs in the Center of the Administration Area of the BRAC Parcel: Possible petroleum disposal; possible former petroleum storage; possible hazardous substance disposal; and possible former hazardous substance storage (D-PR(P)/PS(P)/HR(P)/HS(P)).</p> <p>Area of Former Trenches Identified on Aerial Photographs in the Southwest Corner of the Administration Area of the BRAC Parcel: Possible petroleum disposal and possible hazardous substance disposal (SWMU 52) (D-PR(P)/HR(P)).</p>		
5D - PR(P)/HR(P)	<p>Administration Area</p> <p>24 Acres</p> <p>AREE 14</p> <p>Column: 34</p> <p>Row: 31</p>	Disqualified	<p>Former Drainfield Identified on Aerial Photographs in the Northwest Corner of the Administration Area of the BRAC Parcel: Possible petroleum disposal; and possible hazardous substance disposal (SWMU 52) (D-PR(P)/HR(P)).</p>	Aerial Photographic Site Analysis - BRAC Parcel (ERI, 1993)	Recommendations for ENPA AREE 14 (see Table 4-1).

NOTE: An acronym list is provided on the last page of this table.

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Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
6D - PR(P)/HR(P)	Administration Area 7 Acres Column: 48 Row: 23	Disqualified	Former Excavation Identified on Aerial Photographs in the Eastern Portion of the Administration Area of the BRAC Parcel: Possible petroleum disposal; and possible hazardous substance disposal (D-PR(P)/HR(P)).	Aerial Photographic Site Analysis - BRAC Parcel (ERI, 1993)	None Required.
7D - PS/HS/A(P)/L(P)	Administration Area 1 Acre AREEs 10, 13, and 19 Column: 40 Row: 15	Disqualified	Utah National Guard Facility: Petroleum ASTs; hazardous waste collection; possible asbestos; and possible lead-based paint (D-PS/HS/A(P)/L(P)).	AST inventory Hazardous waste collection information Asbestos survey Construction date for each structure	Recommendations for ENPA AREEs 10, 13, and 19 (see Table 4-1).
8Q - A/L(P)	Maintenance and Supply Area 20 Acres AREE 10 Column: 33 Row: 81	Qualified	Buildings S-687, S-689, and S-697: Possible asbestos and possible lead-based paint (Q-A(P)/L(P)). Buildings S-699: Detected asbestos and possible lead-based paint (Q-A/L(P)).	Asbestos survey Construction date for each structure	Recommendations for ENPA AREE 10 (see Table 4-1).
9Q - A(P)/L(P)	Maintenance and Supply Area 13 Acres AREE 10 Column: 29 Row: 89	Qualified	Round Tank Warehouses 804 through 829, 832 through 838, 842 through 848, 852 through 858, 863 through 868, and 878: Possible asbestos and possible lead-based paint (Q-A(P)/L(P)).	Asbestos survey Construction date for each structure	Recommendations for ENPA AREE 10 (see Table 4-1).

NOTE: An acronym list is provided on the last page of this table.

Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
10Q - A(P)/L(P)	Maintenance and Supply Area 3 Acres AREE 10 Column: 29 Row: 74	Qualified	<u>Building S-669</u> : Possible asbestos and possible lead-based paint (Q-A(P)/L(P)).	Asbestos survey Construction date for each structure	Recommendations for ENPA AREE 10 (see Table 4-1).
11Q - AL(P)	Maintenance and Supply Area 1 Acre AREE 10 Column: 29 Row: 76	Qualified	<u>Building S-677</u> : Detected asbestos and possible lead-based paint (Q-AL(P)).	Asbestos survey Construction date for each structure	Recommendations for ENPA AREE 10 (see Table 4-1).
12Q - A(P)/L(P)	Maintenance and Supply Area 1 Acre AREE 10 Column: 30 Row: 84	Qualified	<u>Building 693</u> : Possible asbestos and possible lead-based paint (Q-A(P)/L(P)). <u>Building S-694</u> : Possible lead-based paint (Q-L(P)).	Asbestos survey Construction date for each structure	Recommendations for ENPA AREE 10 (see Table 4-1).
13Q - A(P)/L(P)	Maintenance and Supply Area 1 Acre AREE 10 Column: 27 Row: 52	Qualified	<u>Building 586</u> : Possible asbestos and possible lead-based paint (Q-A(P)/L(P)).	Asbestos survey Construction date for each structure	Recommendations for ENPA AREE 10 (see Table 4-1).

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Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
14Q - A(P)/L(P)	Administration Area 2 Acres AREEs 10 and 19 Column: 37 Row: 28	Qualified	<u>Building T-159</u> : Possible asbestos and possible lead-based paint (Q-A(P)/L(P)). <u>Buildings 160, 161, 162, and 163</u> : Possible asbestos (Q-A(P)).	Asbestos survey Construction date for each structure	Recommendations for ENPA AREEs 10 and 19 (see Table 4-1).
15Q - L(P)	Administration Area 4 Acres Column: 41 Row: 25	Qualified	<u>Water Tanks 250 and 253</u> : Possible lead-based paint (Q-L(P)).	Construction date for each structure	None Required.
16Q - A(P)/L(P)	Administration Area 1 Acre AREEs 10 and 19 Column: 33 Row: 18	Qualified	<u>Tooele Valley High School</u> : Possible asbestos and possible lead-based paint (Q-A(P)/L(P)).	Asbestos survey Construction date for each structure	Recommendations for ENPA AREEs 10 and 19 (see Table 4-1).
17Q - A(P)/L(P)	Administration Area 1 Acre AREEs 10 and 19 Column: 38 Row: 18	Qualified	<u>Building 1006</u> : Possible asbestos and possible lead-based paint (Q-A(P)/L(P)).	Asbestos survey Construction date for each structure	Recommendations for ENPA AREEs 10 and 19 (see Table 4-1).

NOTE: An acronym list is provided on the last page of this table.

Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
18P	Maintenance and Supply Area 224 Acres Column: 34 Row: 86	CERFA Parcel	No evidence of hazardous substance release, disposal, or storage. No evidence of petroleum release, disposal, or storage. No evidence of non-CERCLA environmental or safety concerns possible impacting property transfer.	Historical information Existing records and documentation Visual inspections and on-site observations Employee and regulator interviews	None Required.
19P	Maintenance and Supply Area 44 Acres Column: 25 Row: 59	CERFA Parcel	No evidence of hazardous substance release, disposal, or storage. No evidence of petroleum release, disposal, or storage. No evidence of non-CERCLA environmental or safety concerns possible impacting property transfer.	Historical information Existing records and documentation Visual inspections and on-site observations Employee and regulator interviews	None Required.
20P	Administration Area 273 Acres Column: 42 Row: 21	CERFA Parcel	No evidence of hazardous substance release, disposal, or storage. No evidence of petroleum release, disposal, or storage. No evidence of non-CERCLA environmental or safety concerns possible impacting property transfer.	Historical information Existing records and documentation Visual inspections and on-site observations Employee and regulator interviews	None Required.

NOTE: An acronym list is provided on the last page of this table.

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Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
21P	Administration Area 12 Acres Column: 33 Row: 28	CERFA Parcel	No evidence of hazardous substance release, disposal, or storage. No evidence of petroleum release, disposal, or storage. No evidence of non-CERCLA environmental or safety concerns possible impacting property transfer.	Historical information Existing records and documentation Visual inspections and on-site observations Employee and regulator interviews	None Required.
22P	Administration Area 17 Acres Column: 31 Row: 19	CERFA Parcel	No evidence of hazardous substance release, disposal, or storage. No evidence of petroleum release, disposal, or storage. No evidence of non-CERCLA environmental or safety concerns possible impacting property transfer.	Historical information Existing records and documentation Visual inspections and on-site observations Employee and regulator interviews	None Required.

NOTE: An acronym list is provided on the last page of this table.

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Table 5-1. Parcel Identification.

Parcel No.	Location, Size, AREE No., and Map Coordinates	Category	Potential Disqualifier, Qualifier, or Exclusion	Source of Evidence	Additional Studies/ Remediation Efforts
23P	Administration Area 7 Acres Column: 28 Row: 14	CERFA Parcel	No evidence of hazardous substance release, disposal, or storage. No evidence of petroleum release, disposal, or storage. No evidence of non-CERCLA environmental or safety concerns possible impacting property transfer.	Historical information Existing records and documentation Visual inspections and on-site observations Employee and regulator interviews	None Required.

A Asbestos
AREE Area Requiring Environmental Evaluation (identified during ENPA)
AST Above Ground Storage Tank
BRAC Base Realignment and Closure
CERCLA Comprehensive Environmental Response, Compensation, and Liability Act
CERFA Community Environmental Response Facilitation Act
CMF Consolidated Maintenance Facility
D CERFA disqualified parcel
DRMO Defense Reutilization and Marketing Office

ENPA
HR Hazardous material release/disposal
HS Hazardous material storage
IWL Industrial Waste Lagoon
L Lead-based Paint
No. Number
OIWL Old Industrial Waste Lagoon
OSL Open Storage Lot
OU Operable Unit
P Polychlorinated biphenyl or CERFA Parcel
PCB Polychlorinated biphenyl

(P) Possible
PR Petroleum release/disposal
PS Petroleum storage
Q CERFA qualified parcel
R Radon
RCRA Resource Conservation and Recovery Act
RD Radionuclides
SWMU Solid Waste Management Unit
TEAD Tooele Army Depot
TEAD-N Tooele Army Depot - North Area
UST Underground Storage Tank

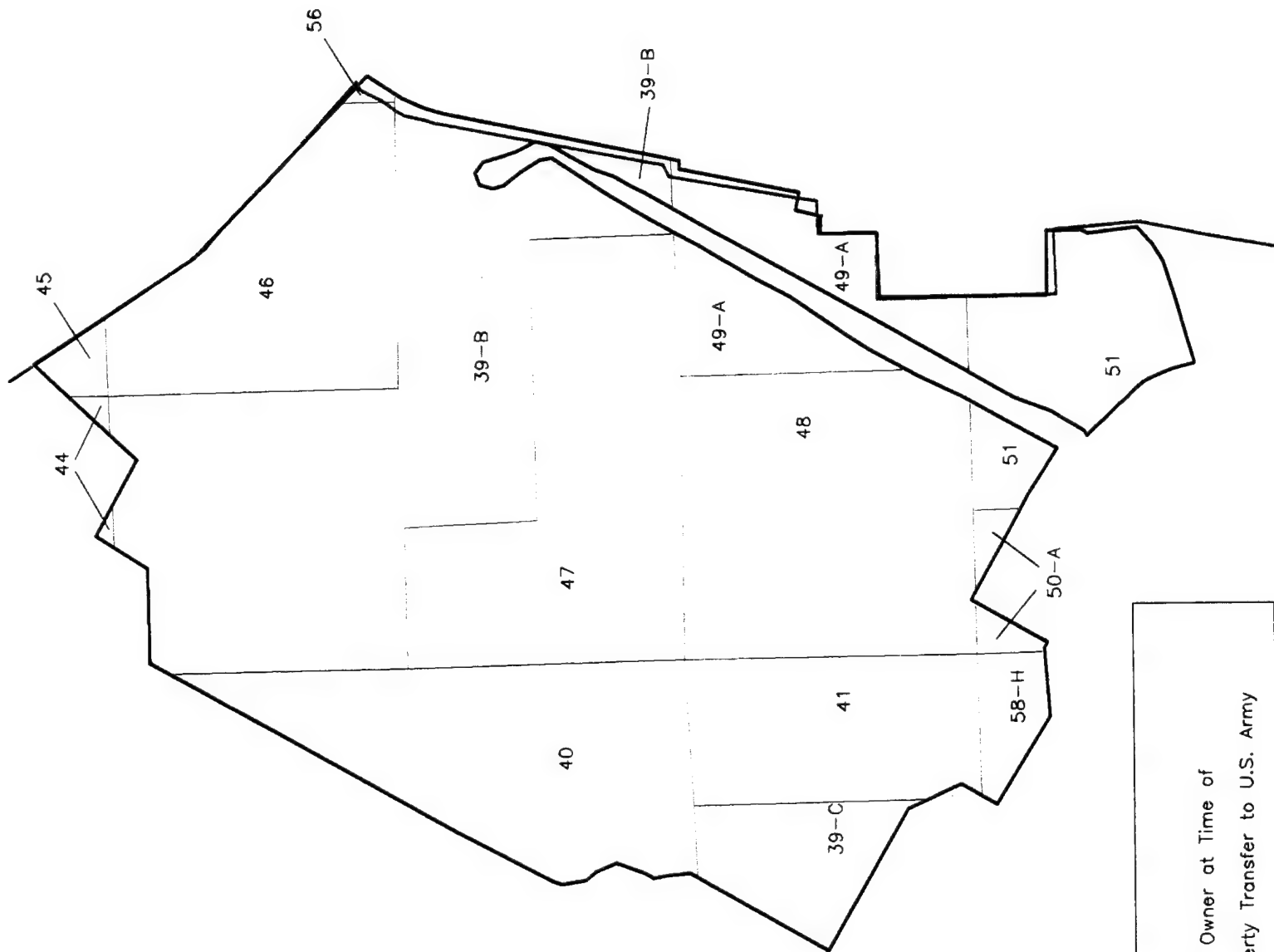
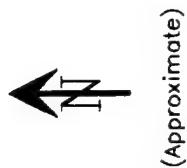
Sources: Environmental Programs Branch, 1991; ERI, 1993; MW, 1993; Pickering, 1991; REI, 1994a; USATHAMA, 1979.

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LEGEND

- 40 Tract Number
- Tract Boundary
- BRAC Border
- Eastern Border of
- 1951 Real Estate Map



Tract Designation	Land Owner at Time of Property Transfer to U.S. Army

Tract Designation	Land Owner at Time of Property Transfer to U.S. Army
B	Housing and Home Finance Agency
C	Federal Works Agency
39-B	Peter Clegg and Ida L. Clegg
39-C	Peter Clegg and Ida L. Clegg
40	Peter Clegg and Ida L. Clegg
41	George L. Tate and Alice R. Tate
44	James D. James, et al.
45	Francois J. Spitters and Gerritje Spitters
46	Frank Penovich
47	Margaret Outcalt and William B. Outcalt
48	Fred Arthur Bonham and Nellie Elizabeth Savage
49-A	Howard J. Clegg and Zella O. Clegg
50-A	William H. Bryan and Emily L. Bryan
50-B	William H. Bryan and Emily L. Bryan
51	James A. Hogle and Mary C. Hogle
53	Willard G. Atkin and W. Frank Atkin
54-B	Annie M. Atkin
56	Stana Ulrich
57	Annie A. Gillespie
58-H	State of Utah
58-L	State of Utah
62	W. Frank Atkin, et al.

This Tract Map is approximate since the representation of the eastern border of the installation differs between the BRAC parcel and the 1951 real estate map. The tract information from the 1951 real estate map was therefore overlain on the BRAC parcel using the best fit match of the eastern border of the installation.

Prepared for:

U.S. Army Environmental Center

Date Revised: 09/23/94
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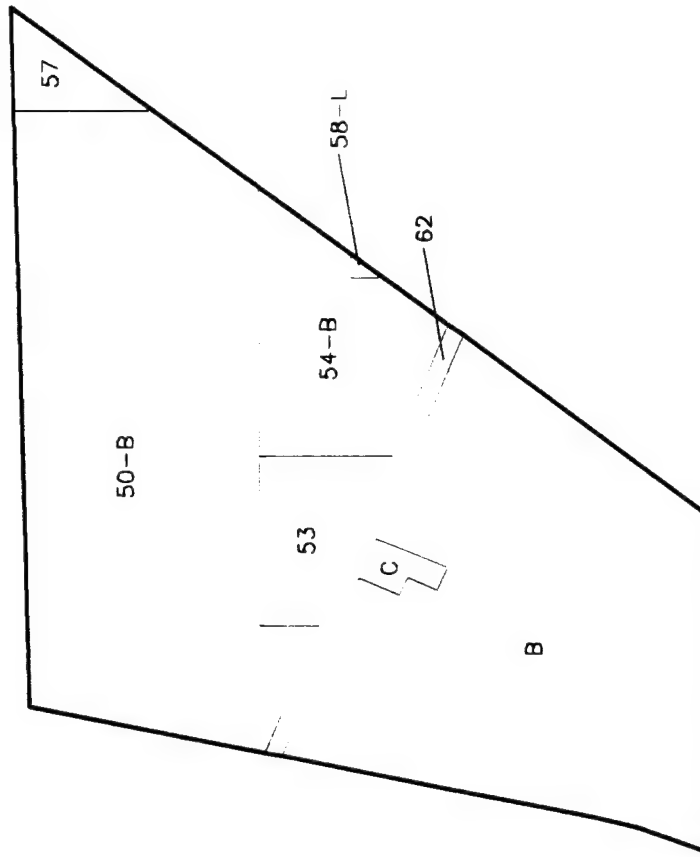
Figure 5-1

Tract Map






Prepared by: AGEISS Environmental, Inc.

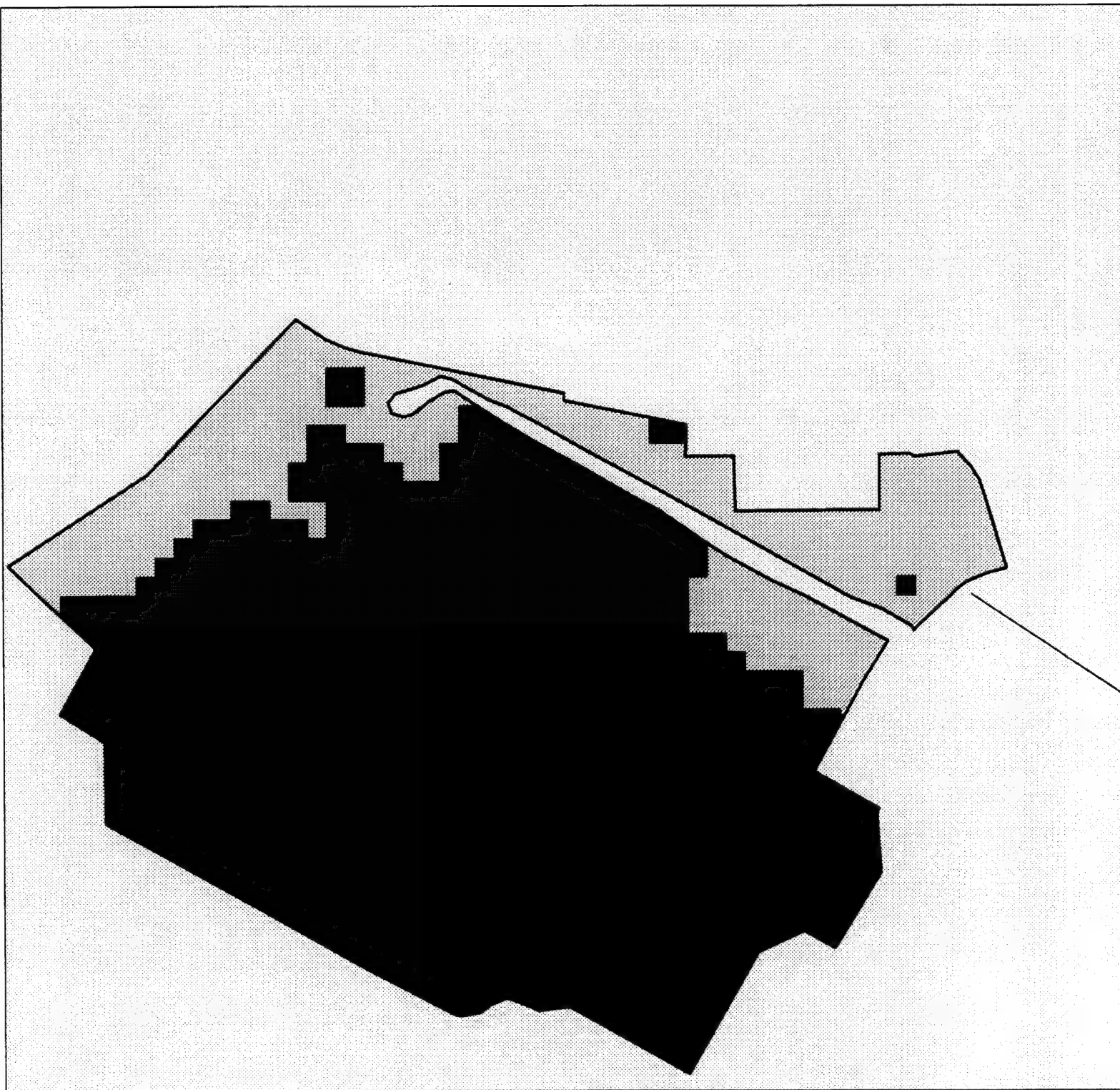
FINAL

SOURCE: U.S. Army Corps of Engineers Real Estate Plates, 1951 (modified).

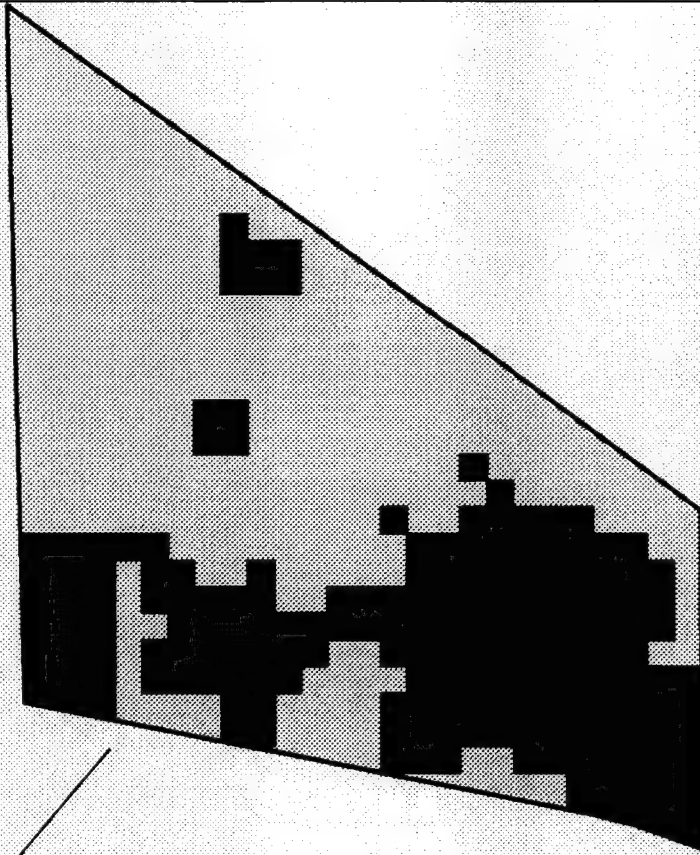


LEGEND

-  CERFA Disqualified Parcel
-  CERFA Qualified Parcel
-  CERFA Parcel
-  CERFA Excluded Parcel
-  BRAC Parcel Area



BRAC Parcel



Prepared for:

U.S. Army Environmental Center

Date Revised: 09/26/94
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Figure 5-2

Parcel Designation

Prepared by: AGEISS Environmental, Inc.

FINAL

6.0 REFERENCES

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APPENDIX A

HAZARDOUS MATERIALS INVENTORY AND USAGE REPORT

HAZARDOUS MATERIALS INVENTORY REPORT

MATERIAL INVENTORY REPORT
DATE: 1993-10-12

HDSC: DEV

MATERIAL NSN CAGE PNI BARCODE NET STORAGE
BOSTIK 8010004825671 98502 A 13 1,000 OZF

HDSC: HDSC1221

MATERIAL NSN CAGE PNI BARCODE NET STORAGE
K-TYPE STENCIL INK BLACK 7510001610811 38512 A 971 1,250 GL
SO SURE LACQUER, ORANGE 1219 8010005843148 81348 A 4966 96,000 OZN
SO SURE LACQUER, SPRAY PAINT 8010007219749 81348 A 11515 24,000 OZN
SO SURE LACQUER, SPRAY PAINT 8010007219743 81348 A 13286 24,000 OZN
SO SURE OBLITERATING COMPOUND 8010005843149 81348 A 13230 156,000 OZN
SO SURE OLIVE DRAB 14064(148) 8010005843149 81348 A 13225 36,000 OZN
SO SURE STENCIL INK BLACK 37 7510004697910 81348 A 13265 48,000 OZN
SO SURE WHITE PAINT, ENAMEL 8010007829356 81348 A 11348 48,000 OZN
SO SURE YELLOW 13538-148130 8010007219744 81348 B 13226 36,000 OZN
WD-40 SPRAY CANS 12 OZ. 9150010548665 09137 A 13236 36,000 OZN

HDSC: HDSC1222

MATERIAL NSN CAGE PNI BARCODE NET STORAGE
3M BRAND GEN TRIM ADHESIVE, PT 804000F000321 04963 A 11415 96,000 OZN
536-55 88400010039590 93702 A 1799 24,000 OZN
SO SURE LACQUER 8010007219749 81348 A 13223 12,000 OZN
SO SURE LACQUER 8010005843148 81348 A 1014 0,000 QT
SO SURE LACQUER, ORANGE 1219 8010005843148 81348 A 4966 156,000 OZN
SO SURE ALUMINUM 17178-14816 8010007219751 81348 A 13222 24,000 OZN
SO SURE LACQUER, SPRAY PAINT 8010007219743 81348 A 13286 36,000 OZN
SO SURE OBLITERATING COMPOUND 8010005843149 81348 B 13230 144,000 OZN
SO SURE OLIVE DRAB 14064(148) 8010005843149 81348 C 13225 132,000 OZN
SO SURE STENCIL INK BLACK 37 7510004697910 81348 A 13265 144,000 OZN
SO SURE WHITE PAINT, ENAMEL 8010007829356 81348 B 11348 132,000 OZN
SO SURE YELLOW 13538-148130 8010007219744 81348 B 13226 132,000 OZN
WD-40 SPRAY CANS 12 OZ. 9150010548665 09137 A 13236 72,000 OZN

HDSC: HDSC1251

MATERIAL NSN CAGE PNI BARCODE NET STORAGE
COR-ON 8010000793750 34451 A 2970 36,000 OZN
DENATURED ALCOHOL 6810002010907 34969 A 13228 1,000 QT
DR061-CONCENTRATE 8010007219483 70506 A 4966 36,000 OZN
K-TYPE STENCIL INK BLACK 7510001610811 38512 A 971 1,000 QT
SO SURE LAC GRAY 16187 14818 8010007219749 81348 A 13223 12,000 OZN
SO SURE LACQUER, ORANGE 1219 8010005843148 81348 A 4966 96,000 OZN
SO SURE ALUMINUM 17178-14816 8010007219751 81348 A 13222 24,000 OZN
SO SURE GLOSS WHITE 17875, 24 8010000793762 81348 A 13420 36,000 OZN

SO-SURE LACQUER, SPRAY PAINT 8010007219743 81348 A 13286 12,000 OZN
SO-SURE OBLITERATING COMPOUND 8010005843149 81348 B 13230 204,000 OZN
SO-SURE OLIVE DRAB 14064(148) 8010005843149 81348 C 13225 204,000 OZN
SO-SURE RED 11136 (24-111) 8010000793760 81347 A 13617 24,000 OZN
SO-SURE STENCIL INK BLACK 37 7510004697910 81347 A 13265 132,000 OZN
SO-SURE YELLOW 13538-148130 8010007219744 81347 B 13226 60,000 OZN
STARTING FLUID 6850008237861 10777 A 4516 12,000 OZN
WD-40 SPRAY CANS 12 OZ. 9150010548665 09137 A 13236 6,000 OZN
WHITE #37875 8010005432085 09869 A 4314 72,000 OZN
WHITE 37875 8010002972111 09869 A 1286 1,000 GL

HDSC: HDSC1252

MATERIAL NSN CAGE PNI BARCODE NET STORAGE
01765 GOLD AEROSOL COATINGS 8010007219752 09800 A 13432 60,000 OZF
16187 GRAY 8010007219749 33333 A 4636 12,000 PT
17875 WHITE 8010006644761 61196 A 1284 94,000 GL
3M BRAND GEN TRIM ADHESIVE, PT 804000F000321 04963 A 11415 48,000 OZN
536-55 88400010039590 93702 A 1799 504,000 OZF
787431 LACQUER CAMOUFLAGE IN 8010005272495 61196 A 1048 0,000 QT
8074 8040009957080 76381 A 3423 36,000 PT
AA-1801 8010005843148 33333 A 2631 24,000 PT
CORROSION PREVENTIVE COMPOUND 8030009381947 5E481 A 13554 120,000 OZF
CR1275 6850010384517 21267 A 9124 138,000 OZN
ENAMEL, OLIVE DRAB, 14064 8010005843149 07708 A 11517 12,000 PT
ENAMEL, ORANGE 12197 8010005843148 07708 A 12155 2,000 GL
PAINT STENCIL SAND 101D6 8010002263906 18537 A 13237 125,000 GL
PRIMER COATING LAC. RUST INH 8010002904078 61196 B 13393 24,000 OZF
SO SURE LAC GRAY 16187 14818 8010007219749 81348 A 4966 588,000 OZF
SO SURE LACQUER, ORANGE 1219 8010005843148 81348 A 4966 288,000 OZF
SO SURE BLUE 15045, ID-44-150 8010009881458 07708 A 13439 420,000 OZF
SO-SURE ALUMINUM 17178-14816 8010007219751 81347 A 13222 180,000 OZF
SO-SURE BLUE 35109(54-350)P 8010009357156 07708 C 13437 36,000 OZF
SO-SURE BROWN 30109(244-314) 8010000675434 07708 A 13416 384,000 OZF
SO-SURE LACQUER, SPRAY PAINT 8010001412952 58536 A 11515 396,000 OZF
SO-SURE LACQUER, SPRAY PAINT 8010007219743 81348 A 13286 300,000 OZF
SO-SURE OBLITERATING COMPOUND 8010005843149 81348 B 13230 684,000 OZF
SO-SURE OLIVE DRAB 14064(148) 8010005843149 81347 C 13225 288,000 OZF
SO-SURE RED 11136 (24-111) 8010000793760 81347 A 13417 1380,000 OZF
SO-SURE STENCIL INK BLACK 37 7510004697910 81347 A 13265 624,000 OZN
SO-SURE WHITE PAINT, ENAMEL 8010007829356 81348 B 13226 300,000 OZF
SPRAY PAINT(AEROSOL) LACQUER 8010007219744 81348 C 13251 84,000 OZF
STARTING FLUID 6850008237861 10777 A 4516 192,000 OZN
TT-L-32A, LACQUER, TYPE 2, RED # 8010002516505 12904 A 1234 0,000 GL
WD-40 SPRAY CANS 12 OZ 9150010548665 09137 A 13138 252,000 OZF
WD-40 SPRAY CANS 12 OZ. 9150010548665 09137 A 13236 48,000 OZF
WIRE LUBE 9150010917500 30119 A 12079 48,000 OZF

HDSC: HDSC1283

MATERIAL NSN CAGE PNI BARCODE NET STORAGE
LINOLEUM PASTE-HENRY NO. 150 8040002738713 87866 A 11661 1,000 GL
PAINT STENCIL SAND 101D6 8010002263906 18537 A 13237 1,000 GL
SO SURE LACQUER, ORANGE 1219 8010005843148 81348 A 4966 24,000 OZN
SO-SURE ALUMINUM 17178-14816 8010007219751 81348 A 13222 36,000 OZN
SO-SURE OBLITERATING COMPOUND 8010005843149 81348 B 13230 36,000 OZN
SO-SURE STENCIL INK BLACK 37 7510004697910 81348 A 13265 48,000 OZN
SO-SURE WHITE PAINT, ENAMEL 8010007829356 81348 C 13226 12,000 OZN
SO-SURE YELLOW 13538-148130 8010007219744 81348 B 13226 12,000 OZN

WD-40 SPRAY CANS 12 OZ. 9150010548665 09137 A 13236 24.000 OZN

HDSC: HDSC1320

MATERIAL	NSN	CAGE	PNI	BARCODE	NET STORAGE
SO SURE LACQUER, ORANGE 1219 8010005843148		81348 A		4946	12.000 OZN
SO-SURE OBLITERATING COMPOUND 8010005824743		0FTT5 B		13230	24.000 OZN
SO-SURE OLIVE DRAB 14064(148 8010005843149		0FTT5 C		13225	12.000 OZN
SO-SURE STENCIL INK BLACK 37 7510004697910		0FTT5 A		13265	12.000 OZN
SO-SURE WHITE PAINT, ENAMEL 8010007829356		0FTT5 C		11348	12.000 OZN

HDSC: HDSC1345

MATERIAL	NSN	CAGE	PNI	BARCODE	NET STORAGE
A-A-857, THINNER, PAINT PRODU 8010001605787		4N760 A		13388	116.000 GL
ENAMEL LUSTERLS QD STY ALKYD 8010002972112		61196 A		939036	18.000 GL
PAINT STENCIL SAND 101D6 8010002263906		18537 A		13237	11.000 GL
PRIMER COATING LAC. RUST INH 8010002904078		61196 B		13393	75.000 GL
SO-SURE STENCIL INK BLACK 37 7510004697910		0FTT5 A		13265	720.000 OZN

HDSC: HDSC1374

MATERIAL	NSN	CAGE	PNI	BARCODE	NET STORAGE
14260-GREEN 8010006167490		61196 A		13399	10.000 GL
16492-GRAY 00 8010005262856		61196 A		13397	2.000 GL
17875 WHITE 8010006644761		61196 A		1284	6.000 GL
743410-OLIVE IDORAB 8010002972113		61196 A		13394	15.000 GL
743422 ENAMEL LUSTERLS QD ST 8010002972118		61196 A		13396	4.000 GL
A-A-857, THINNER, PAINT PRODU 8010001605787		4N760 A		13388	2.000 GL
ACETONE 6810001844796		5W216 A		13390	10.000 GL
ADHESIVE, PAPER LABEL 8040006197962		34094 A		12149	20.000 GL
AEROSOL SILICONE LUB #A615 9150008237860		91522 A		5989	36.000 OZF
BOYLED LINSEED OIL 20761-33- 9150006848789		96162 A		13431	5.000 GL
BRAYCO 756, PETROLEUM BASE 9150002234134		2R128 A		7517	2.000 GL
ENAMEL LUSTERLS QD STY ALKYD 8010002972112		61196 A		939036	4.000 GL
ETHYL ALCOHOL 6505001049000		93589 A		13389	5.000 GL
HYDRAULIC FLUID 9150006982382		0CF76 A		13446	5.000 GL
ISOPROPYL ALCOHOL, ANHYDROUS 6505002998095		72190 A		8480	15.000 GL
METHYL ETHYL KETONE, SHELL CO 6810002812762		54527 A		13447	5.000 GL
P-D-680 TYPE I MINERAL SPIRI 6850002811985		86511 A		2039	2.000 GL
PAINT STENCIL SAND 101D6 8010002263906		18537 A		13237	51.000 GL
PRIMER COATING LAC. RUST INH 8010002904078		61196 B		13393	25.000 GL
RANDOL OIL 32 9150010873510		59595 A		9822	110.000 GL
SAT-T-POIL II 7930001145888		03256 A		11974	10.000 GL
SDA-3A, 190 PROOF DENATURED A 6810005437415		11942 A		11484	49.000 GL
SILICONE GREASE COMPOUND G62 6850006644959		0D426 A		13406	9.000 GL
SO SURE LACQUER, ORANGE 1219 8010005843148		81348 A		4946	1056.000 OZF
SO-SURE LACQUER, SPRAY PAINT 8010001412952		58536 A		11515	84.000 OZF
SO-SURE LACQUER, SPRAY PAINT 8010007219743		0FTT5 A		13286	48.000 OZF
SO-SURE OBLITERATING COMPOUND 8010005824743		0FTT5 B		13230	864.000 OZF
SO-SURE OLIVE DRAB 14064(148 8010005843149		0FTT5 A		13225	960.000 OZF
SO-SURE STENCIL INK BLACK 37 7510004697910		0FTT5 C		13265	192.000 OZF
SO-SURE WHITE PAINT, ENAMEL 8010007829356		0FTT5 C		11348	576.000 OZF
SO-SURE YELLOW 13538(44-130) 8010008529033		0FTT5 D		13436	120.000 OZF
SO-SURE YELLOW 13538-148130 8010007219744		0FTT5 B		13226	1080.000 OZF
SPEC-MIL-A-178A, ADHESIVE, P 8040006560814		16486 A		11418	5.000 GL
STARTING FLUID 68500008237861		1U777 A		4516	84.000 OZF

THINNER DOPE& LACQUER-CELLUL 8010001605788

THINNER AIRCRAFT COATING, PO 8010001818079

TT-E-508 WHITE 27875 SEMIGLO 8010002867839

TT-P-664 PRIMER COATING 8010002921127

TT-P-91D, 112, AMD2 8010005978199

TYPE F BRUSH INK 7510001610815

VV-G-671E FG1860 9150001900917

VV-L-800C; OCTOIL 90-2-LUBRIC 9150002319062

WHITE SG ALKYD ENAMEL 27875 8010002867839

54216 A 12012 20.000 GL

54216 A 12027 5.000 GL

33333 A 4745 35.000 GL

33832 A 4149 4.000 GL

33151 A 13424 100.000 GL

30133 A 12116 3.000 GL

76736 A 13401 1.000 QT

5121 5.000 GL

13421 10.000 GL

13421 0.000 GL

HDSC: HDSC1375

MATERIAL	NSN	CAGE	PNI	BARCODE	NET STORAGE
A-A-857, THINNER, PAINT PRODU 8010001605787		4N760 A		13388	1.000 GL
K-TYPE STENCIL INK, BLACK 7510001610811		38512 A		971	2.000 QT
PAINT STENCIL SAND, 101D6 8010002263906		18537 A		13237	1.000 GL
SO SURE LACQUER, ORANGE 1219 8010005843148		81348 A		4946	168.000 OZN
SO-SURE OBLITERATING COMPOUND 8010005824743		0FTT5 B		13230	168.000 OZN
SO-SURE OLIVE DRAB 14064(148 8010005843149		0FTT5 C		13225	48.000 OZN
SO-SURE STENCIL INK BLACK 37 7510004697910		0FTT5 A		13265	168.000 OZN
SO-SURE WHITE PAINT, ENAMEL 8010007829356		0FTT5 C		11348	24.000 OZN
WD-40 SPRAY CANS 12 OZ. 9150010548665		09137 A		13236	84.000 OZN

HDSC: HDSC4544

MATERIAL	NSN	CAGE	PNI	BARCODE	NET STORAGE
NITROGEN	6830005774623	18260 A		12072	1800.000 LB

HDSC: HDSC503

MATERIAL	NSN	CAGE	PNI	BARCODE	NET STORAGE
#17875 GLOSS WHITE LACQUER 8010002906983		25871 A		2181	12.000 PT
01770 OSHA GLOSS BLACK, 4590 8010002906984		09800 A		2792	12.000 PT
1010 POWDERED SOAP 8W857 1010		HYDRO A		13296	0.000 LB
1040 & PC 1040 PRESpray SOAP 8W857 1040		HYDRO A		13291	0.000 GL
1040F POWER CLEAN FOAMING SO 8W857 1040F		HYDRO A		13292	0.000 GL
202-18 SG GREEN PAINT (SEE S 8010009588150		58825 A		12298	0.000 PT
266C, COMPOUND THINNING LIQU 8010001605788		2E758 A		2686	45.000 GL
3527 LATEX RESIN ENAMEL 801000009887		52100 A		12360	40.000 GL
3M BRAND GENERAL TRIM ADHESI 804000X790824		04963 A		11953	0.000 PT
8074 8040009957080		76381 A		3423	17.000 PT
A-A-47 8010009588148		33451 A		2552	2.000 PT
ACETYLENE ETHYNE 6830002646755		42568 XX		12313	199.500 LB
ACRYLIC SEMIGLOSS, ACCENT BAS 801000X904746		XXXXX A		13430	55.000 LB
AEROSOL SPRAY PAINT YELLOW 1 8010007219744		07708 A		13333	0.000 CC
AEROSOL-ACRYLIC LACQUER YELL 8010009588151		59581 A		1110	0.000 PT
ALKALINE PHOSPHATE DETERGENT 8W857PC1040		XXXXX A		13172	220.000 GL
ANTIFREEZE-ETHYLENE GLYCOL 6850006641409		52393 A		2406	0.000 GL
ARGON 6830002818808		18260 A		11381	300.000 LB
BIG BLU LEAK REACTANT 5P872881342		24622 A		93091	1.000 GL
BRAKE FLUID 455 9150002319071		96717 A		5581	0.000 OZF
CARBON DIOXIDE (CARBONIC ACI 6830002450199		33333 A		4387	1200.000 LB
CAS #8031-18-3 OIL-DRY 7930002691272		74138 A		6073	1.000 LB
CENTART ACRYLIC ENAMEL 733A 801000F003464		90227 A		12535	1.000 QT
CHEVRON AUTOMATIC TRANSM. FL. 9150002812234		0AHD1 A		12064	440.000 GL
CHLORINE 6830001690786		7A345 A		6668	450.000 LB

CITGO C-500 MOTOR OIL, SAE 1	9150001172763	7X110 A	5336	0.000 GL
CLEAR-LACQUER ACRYLIC	8010004907651	61196 A	3996	10.000 GL
COR-ON	8010000675437	33451 A	4798	6.000 PT
DRO54-CONCENTRATE	8010007219487	70506 A	3937	0.000 PT
DRO59-CONCENTRATE	8010009652389	70506 A	1052	0.000 PT
ENAMEL, BLUE, 15102	8010007219746	07708 A	9074	12.000 PT
ENAMEL, ORANGE, 12197	8010005843148	07708 A	12155	0.000 PT
ENAMEL, ORANGE, 12215	8010007219479	07708 A	12275	0.000 PT
ENAMEL, RED, 11105	8010007219743	07708 A	12294	0.000 PT
EPHOMEL 8173A	8040000922816	96900 A	2260	0.000 CC
ETHYLENE GLYCOL, TECH	6810000064206	97984 A	1104	0.000 GL
FORM-A-GASKET 3	8030006561426	77247 A	4893	0.000 OZN
GC-408 CLASS B	8030005798453	04011 A	376	1.000 GL
GREASE, MIL-G-10924D	9150005307369	1V074 A	5067	0.000 GL
GUMOUT JET SPRAY-GUMOUT AERO	940500X877391	01326 A	13052	0.000 OZF
HD MOTOR OIL SAE 10W-30	9150001866703	01326 A	13203	0.000 PT
LACQUER RED, X8431	8010001412952	07708 A	1069	0.000 PT
LACQUER, AEROSOL 13538	8010007219744	59581 A	3460	36.000 PT
MARKING PAINT, AEROSOL, #S 2	801001X04683	PAINT A	13241	12.000 PT
MIL-L-46152B & AMD1 10W30 &	9150001866703	58563 A	12146	550.000 GL
NEATS FOOT OIL LEATHER CONDI	8030002441033	XXXXX A	939134	4.000 GL
OXYGEN-REFRIGERATED LIQUID.	6830001690800	6J576 A	11380	1800.000 LB
P-803-66	8010001594518	71191 A	2546	0.000 PT
PROLINE FINISHES/PL-120 ACRY	801000F005325	6K287 A	12345	155.000 GL
QUEBRACHO EXTRACT	6810008195741	51971 A	5061	0.000 LB
SAFETY SOLVENT AEROSOL	OTC238A183	BRODY A	12131	0.000 OZN
SILVER LACQUER, GP-0001-7178	8010007219751	59581 A	4792	12.000 OZN
SIMPLE GREEN INDUSTRIAL CLEA	7930013424145	SUNMA	12107	0.000 OZF
SO SURE FLUORESCENT ORANGE 1	8010009588148	OFTT5 B	939135	0.000 PT
SO SURE GOLD 17043-148161(O)	8010007219752	OFTT5 B	13328	12.000 PT
SO SURE LACQUER GRAY 16099	8010001412958	58536 A	12125	12.000 PT
SODIUM METAPHOSPHATE TECH	6810009498331	23894 A	13277	0.000 GL
SOLUTION S0127 PHC-1 (INDIC	2L794S0127PHC-1	89524 A	13174	0.000 CC
SOLUTION S0135 VM REAGENT	2L794S0135	89524 A	13176	0.000 CC
SOLUTION S0297 3000 MICROMHO	2L794S0297	89524 A	13177	0.000 CC
SOLUTION S0136 PHOSPHATE RED	2L794S0136	89524 A	93056	0.000 CC
SOLUTION S0613 ST-1	2L794S0613ST-1	89524 A	93115	0.000 CC
SOLUTION S0614 ST-2	2L794S0614ST-2	89524 A	93116	0.000 CC
SOLVENT DEGREASER(AEROSOL)	6850010615493	94058 A	12970	0.000 OZN
SOLVENT DEGREASER, FED SPEC O	6850009415054	94058 A	11479	0.000 OZN
SUPER POXEE CLEANER DP-2 PAR	5P872810779	17529 A	93090	0.000 CC
TC-500 TILE, GROUT&MASONRY CL	6850008120007	56877 A	11209	10.000 GL
TOLUENE	6810002812002	78628 A	4978	0.000 CC
TT-E-00488	801000793752	60777 A	904	0.000 PT
TT-P-1952B TY1 WHITE	8010010171512	33148 A	12143	5120.000 OZF
TT-P-1952B TYPE 2 PAINT	8010010191776	33148 A	3535	30.000 GL
TT-P-664 PRIMER COATING	8010001617275	33832 A	4047	10.000 GL
TT-P-664C RUST INHIBITING PR	8010001617275	09869 A	4365	0.000 GL
WD-40 SPRAY CANS	8030008387789	31285 A	12005	0.000 OZN
WD-40 SPRAY CANS 12 OZ	8030008387789	09137 A	3138	0.000 OZN
WHITE 37875	8010005843150	58536 A	12959	0.000 PT
WIND SHEET WAX	84857 CCX05X	HYDRO A	13290	0.000 GL
WINDHIELD WASHER FLUID	73086 600	8X792 A	13294	0.000 GL
WOLF'S HEAD SPECIAL DUTY SER	9150001896729	01326 A	6097	440.000 GL
WOLF'S HEAD SPECIAL DUTY SERI	9150001912772	01326 A	5366	0.000 OZF
WOOD FILLER PLASTIC	8010006647077	34094 B	3854	3.000 PT
WOOD FINISH FRUITWOOD 241	801000F008608	73828 A	12346	10.000 GL
YELLOW 13538	8010005272045	09869 A	1416	2.000 GL

HDSC: HDSC510

MATERIAL	NSN	CAGE	PNI	BARCODE	NET STORAGE
3M BRAND CARPET STAIN REMOVE	793000F001372	04963 A	12117		336.000 OZF

CARB
CENTARI 793S
DEGREASER SAFETY SOLVENT 510
FORM-A-GASKET #2
GUMOUT JET SPRAY-GUMOUT AERO
MIL-C-450
RIV102
SOLVENT DEGREASER(AEROSOL)
TT-L-32A LACQUER, TYPE 2, RED #
TURTLE WAX; POLISH
WD-40 SPRAY CANS 12 OZ
WIND SHEET
XXXXX A

HDSC: HDSC511

MATERIAL
#24087 OLIVE DRAB
266C, COMPOUND THINNING LIQUID
ACUBLEND MASTER GAS
AMSCO SOLV, 1241
BONDO
BOSTIK
CENTARI & LUCITE BASEMAKERS
CENTARI 793S
CENTARI ACRYLIC ENAMEL/CHECK
CLEAR ENAMEL TOPCOATS/500558
ENAMEL PRIMERS, CHROMATE PRIM
ENAMEL REDUCERS
ENAMEL REDUCERS 1700S
FIBERGLASS RESIN
ISOCYANATE ACTIVATORS, HARDEN
PAINT CENTARI ACRYLIC ENAMEL
SO-SURE STENCIL INK BLACK 37
TT-L-32A LACQUER, TYPE 2, RED #
URO PRODUCTS: 10755, 1080S, 108
VARIPRIME 616S, PART B
WD-40 SPRAY CANS 12 OZ
WD-40 SPRAY CANS 12 OZ.

HDSC: HDSC594

MATERIAL
#17875 GLOSS WHITE LACQUER
01770 OSHA GLOSS BLACK, 4590
03-BK-28 BASE, BLACK 17038, PO
1046-A, WATER-BASED ADHESIVE
124-005760, ACS, (AQ. NH*3), 28
14-0536-323
16187 GRAY
20109, PRIMER, BROWN OXIDE P
266C, COMPOUND THINNING LIQUID
3145 RTV ADHES. SEALANT CLEA
3527 LATEX RESIN ENAMEL
37038
383 BROWN ZENTHANE, MIL-C-53
383 GREEN ZENTHANE, MIL-C-530
383GREEN ZENTHANE, MIL-C-5303
3M BRAND CARPET STAIN REMOVE
46-700 MEK PEROXIDE "60"

705015; COATING, ALIPH. POLYUR.	8010012297541	61196 A	9773	0.000 GL	ISOPROPYL ALCOHOL, ANHYDROUS	6505002998095	72190 A	0.000 GL
705015; COATING, ALIPH. POLYUR.	8010012331568	61196 A	12145	0.000 GL	JX-93TC TONER	685000010430	E0222 A	0.000 OZN
705020; COATING, ALIPH. POLYUR.	8010012330060	61196 A	12144	0.000 GL	LACQUER RED, X8431	8010001412952	07708 A	0.000 PT
728-010; PRIMER, FORMULA 1178:	8030002812726	09869 A	12159	0.000 GL	LACQUER, AEROSOL 13538 YELLOW	8010007219744	59581 A	0.000 PT
728-011 PRIMER (WASH) PRETREAT	8030001658577	09869 A	121367	0.000 GL	LEAK LOCK	8030009963113	08589 A	0.000 ZF
745-468, ALKYD, SEMIGLOSS	8010005273197	09869 A	2024	0.000 GL	MACCO LK601, MME173	8040000007421	33333 A	0.000 ZF
80023 SILICONE FORM-A-GASKET	803000000364	35933 A	13247	0.000 ZF	MARKING PAINT, AEROSOL, #S 2	801001404683	PAINT A	0.000 PT
80045 PIPE JOINT COMPOUND	803000014972	55972 A	11092	0.000 PT	MC-2524/MC-2735/MC-2786/MC27	9150011524119	58563 A	0.000 GL
8074	8040009957080	76381 A	3423	0.000 PT	MED ROCK SALT	6810002270437	85768 A	0.000 GL
92285A (HEWLETT-PACKARD)	6850012166823	18A63 A	11020	0.000 QT	MIL-C-22750 "E" PART A	8010013138711	81522 A	0.000 GL
A-A-47	8010009588148	33451 A	2552	0.000 PT	MIL-C-450	8030002905141	81348 A	0.000 GL
AA-1801	8010005824743	33333 A	2631	0.000 PT	MIL-L-21260; 10W; QUAL #MP-3	9150001110208	58563 A	0.000 GL
ACETYLENE, ETHYLENE	6830002646755	42568 XX	12313	0.000 LB	MIL-L-46152B & AMD1 10W30 &	9150001866703	58563 A	0.000 GL
ACRYLIC SEMIGLOSS, ACCENT BAS	801000X904746	XXXXX A	13430	0.000 LB	MIL-P-14105 383 GREEN: 3409A	8010012354164	32268 XX	0.000 GL
ACUBLEND MASTER GAS	6830004984241	51847 A	12339	0.000 LB	MIL-T-81772A (AS) THINNER, A	8010001818079	33333 A	0.000 GL
ALIPHATIC POLYISOCYANATE 383	8010012297544	09225 A	8237	0.000 GL	NEATS FOOT OIL LEATHER CONDI	8030002441033	XXXXX A	0.000 GL
ALIPHATIC POLYISOCYANATE, 383	8010012299561	09225 A	6382	0.000 GL	NITROGEN	6830005774623	18260 A	0.000 LB
ALKALINE PHOSPHATE DETERGENT	84857PC1040	XXXXX A	13172	0.000 GL	O-D-1276, DETERGENT PINE OIL,	6800006877904	18862 A	0.000 QT
AMOCO LITHIUM MULTI-PURPOSE	915000F004840	9V266 A	12197	0.000 PT	OXYGEN-REFRIGERATED LIQUID,	6830001690800	6J576 A	0.000 LB
ANTIFREEZE/COOLANT JC-06	6850001817940	19630 A	11385	0.000 PT	PAINT LIQUID	8010012354166	32268	0.000 GL
ARGON	6830002818808	18260 A	11381	0.000 LB	PAINT, HEAT RESISTING SAND #	801000X895602	09225 A	0.000 GL
BATAM S-830-RR	9150011977691	60226 A	11506	0.000 GL	PARA-DICHLOROBENZENE	6840006666610	61253 A	0.000 QT
BLACK 17038	8010002906158	09869 A	3882	0.000 GL	PHILLYCLAD 300 RESIN(OLIVE)	20004	20420 A	0.000 GL
BLACK 37030 ZENTHANE, MIL-C5	8010012297542	09225 A	11063	0.000 GL	PLIOBOND 20	8040002009190	34897 A	0.000 QT
BLUE GIANT NON-BUTYL DEGREAS	6850014248411	OLDP3 A	13224	0.000 GL	PM1918	5610007825556	00933 A	0.000 GL
BOSTIK	8010004825671	98502 A	13	0.000 ZF	POLISHING COMPOUND	7930002667142	23894 A	0.000 QT
BUFF-SOL-CODES: 820, 832, 840, 974	2640001570112	0A58 A	6408	0.000 ZF	PRIMER, EPOXY CIG, CORR INHI	8010011879820	61196 A	0.000 GL
C-111, ADHESIVE, RUBBER BASE	8040002981946	25670 A	4263	0.000 ZF	PRIMER, EPOXY, CORR INHIB, LE	8010011930517	61196 A	0.000 GL
CARBON DIOXIDE, CARBONIC ACI	6830002450199	33333 A	4387	0.000 LB	PROLINE FINISHES/PL-120 ACRY	801000F005325	66287 A	0.000 GL
CAT CEMENT 7M7260(BEF JAN 83	5330004792847	04963 A	12105	0.000 ZF	PS/T PART NO.592 (PIPE SEALA	8030010540740	05972 A	0.000 PT
CATERPILLAR CEMENT #5H2471	8040010385043	76381 A	11128	0.000 PT	PVC PRIMER	8010000822439	06341 A	0.000 GL
CENTARI ACRYLIC ENAMEL 733A	801000F003464	90227 A	12535	0.000 QT	QUICK START DIESEL STARTING	6850000001118	84794 A	0.000 PT
CHEVRON AUTOMATIC TRANSM.FL.	9150002812234	0AHD1 A	12064	0.000 GL	RED #11105	2910006469727	61112 A	0.000 ZF
CHISEL GASKET REMOVER (AEROS	6830000003007	05972 A	12140	0.000 GL	REMOVE	8010006167486	09869 A	0.000 GL
CHLORINE	6830001690786	74345 A	6668	0.000 LB	RETAINING COMPOUND 609 (FORM	9150001806222	05972 A	0.000 GL
CL3 EMERSON MW90076, ELEC. FOR	6810002490354	08163 A	162	0.000 GL	ROCKWELL 950 SEALANT(BULK GR	9150002929657	80318 A	0.000 ZF
CLEAR-LACQUER ACRYLIC	8010004907651	61196 A	3996	0.000 GL	RTV SILICONE RUBBER SWS-833	6850000000695	07607 A	0.000 GL
CLYPTAL 1201A RED INSULATING	59700007854098	18241 A	11371	0.000 PT	RTV-103 ADHESIVE SEALANT/BLA	80400008658991	01139 A	0.000 ZN
COR-ON	8010000675437	33451 A	4798	0.000 PT	RTV102 SILICONE SEALANT	8040008779872	01139 A	0.000 ZF
CORROSION RMVG/METAL CNDITNI	6850001749672	60930 A	1847	0.000 GL	SA 824 3262;(GREASE AUTOMOTI	9150001900907	01139 A	0.000 ZF
DAP 230 SEALANT (ALL COLORS)	8030000009265	1851 A	939014	0.000 ZF	SB 837 1330	07C238A183	34495 A	0.000 GL
DEFTHANE DARK GRAY ENAMEL O3	8010011009094	33461 A	431	0.000 PT	SBF 1001 (BRAKE FLUID)	9150006982382	07750 A	0.000 PT
ENAMEL, BLUE, 15102	8010007219746	07708 A	9074	0.000 PT	SCOTCHGRIP 1099 PLASTIC ADHE	8040011261422	04963 A	0.000 GL
ENAMEL, OLIVE DRAB, 14064	8010005843149	07708 A	11517	0.000 PT	SILVER LACQUER, GP-0001-7178	8010007219751	59581 A	0.000 QT
ENAMEL, ORANGE 12197	8010005843148	07708 A	12155	0.000 PT	SIMPLE GREEN CONCENTRATED IN	7930013068369	SUNMA A	0.000 PT
EPT-SEAL PLUS CURING AGENT -	8040007534800	19092 B	7389	0.000 ZN	SO-SURE GOLD 17043-148161(O)	8010007219752	0FTT5 B	0.000 GL
FC-43 FLUORINERT BRAND ELECT	6850007131012	28112 A	1534	0.000 PT	SO-SURE STENCIL INK BLACK 37	7510004697910	0FTT5 C	0.000 PT
FEL-PRO C5-A	8030001556444	73165 A	2106	0.000 LB	SO-SURE WHITE PAINT ENAMEL	8010007829356	0FTT5 C	0.000 PT
FORM-A-GASKET #2, MIL-S-4518	8030002523391	08028 A	4890	0.000 ZF	SODIUM METAPHOSPHATE TECH	6810009498331	23894 A	0.000 PT
FORMICA 100 NON-FLAM. BRUSH	804000F004756	59479 A	13136	1.000 GL	SOLVENT DEGREASER, FED SPEC O	6850009415054	94058 A	0.000 ZF
FULL FORCE ANTIFREEZE	9150001896729	20130 A	2219	0.000 GL	SPINXPASTE D-3603	8040002660837	84163 A	0.000 ZF
FURNITURE POLISH	7930002667121	23894 A	12114	0.000 PT	STAMP-PAD INK	7510001614240	82956 A	0.000 PT
GC-408 CLASS B	8030005798453	04011 A	376	0.000 GL	STANDARD SOLVENT	6850002097947	9788	0.000 PT
GC-408 CLASS B SEALING COMPO	80300007535005	04011 A	126	0.000 ZF	STRIP-SOL	801000X827667	STRSO	0.000 PT
GLASS CLNR, LIQ, REG, RDT TO	7930006646910	1A862 A	11052	0.000 GL	SUPER POXEE-EPOXY RESIN	8040000000084	17529 A	0.000 PT
GLYPTAL 1202 INSULATING VARN	5970002141728	08800 A	12126	0.000 PT	SUPERBONDER 499 THERMAL CYCL	8030001429193	05972 A	0.000 ZF
GOLD MEDAL BREAK-IN OIL; COD	9150001110210	2X769 A	12147	0.000 GL	SUPERFLEX HIGH TEMP SILICONE	803000X844875RT	05792 A	0.000 ZF
GRAY 16492; 742-624; ENAMEL	8010005262856	09869 A	12154	0.000 GL	SWECO 201 LUBE, 85W/140	9150010355396	14392 A	0.000 GL
GSA AIR DEODORANT	6840007216055	5425	5020	0.000 GL	TAN 686 ZENTHANE MIL-C-53039	8010012763640	09225 B	0.000 GL
HDX ALL PURPOSE GEAR LUBE SA	9150010355394	01326 A	5020	0.000 GL	TAP MAGIC ALUMINUM CUTTING F	915000X73777	17781 A	0.000 PT
HEAVY WEIGHT BODY FILLER	8010010607176	16522 B	11987	0.000 ZF	TC-500 TILE, GROUT&MASONRY CL	6850008120007	56877 A	0.000 GL
HIGH TACK SPRAY-ADHESIVE	53300010386789	62377 A	11321	0.000 PT	TECTYL 846 ANTI-CORROSIIVE CM	8030005261605	33150 A	0.000 GL
HIGH TACK SUPER-ADHESIVE	804000F000350	62377 A	11582	0.000 ZF	TERESTIC 32	9150003972855	29700 A	0.000 GL
HOTSHOT STARTING FLUID; #65-1	6850008237861	12625 A	2186	0.000 GL				
HYDRAULIC FLUID	9150002234134	07950 A	8689	0.000 GL				
IS-143, POLYURETHANE THINNER,	8010002801751	33461 A	1068	0.000 GL				

THINNER
THINNER FOR LIQUID PAPER COR 8010005587026 9V846 A 9141 0.000 GL
TOILET SOAP 751000F009636 9A977 A 11045 0.000 OZF
TRICHLOROETHAN 111 DEGRS COL 81348 A 11100 0.000 GL
TT-E-00488 08ES8 A 1506 0.000 GL
TT-P-664 PRIMER COATING 60777 A 904 0.000 PT
TURTLE WAX; POLISH 33832 A 4047 0.000 GL
WD-40 5Y0821127 33937 A 13264 0.000 OZF
WD-40 SPRAY CANS 12 OZ 56921 A 2013 0.000 OZN
WELD-ON WET OR DRY 725 FOR P 09137 A 3138 0.000 GL
WHITE-27875 17510 A 12194 0.000 PT
WIND SHEET 8010002970584 09869 A 4528 0.000 GL
WOLF'S HEAD SPECIAL DUTY SER 9150001889862 XXXXX A 13208 0.000 GL
WOLF'S HEAD SPECIAL DUTY SER 9150001896729 01326 A 5113 0.000 GL
WOLF'S HEAD SPECIAL DUTY SER 9150001912772 01326 A 5366 0.000 GL
WOOD FILLER PLASTIC 8010006647077 34094 B 3854 0.000 PT
WOOD FINISH FRUITWOOD 241 73828 A 12346 0.000 GL
XYLENE 8030011273683 55246 A 13133 0.000 GL
YELLOW 13538 8010005844070 5A188 A 2374 0.000 GL
YELLOW INK JET INK CARTRIDGE 8010005272045 09869 A 1416 0.000 CC
YELLOW PROTOPET 2A 6U221 A 939031 0.000 CC
9150002500926 33333 A 6113 0.000 QT

HDSC: HDSC603

MATERIAL NSN CAGE PNI BARCODE NET STORAGE
BOSTIK 8010004825671 98502 A 13 14.000 OZF
SILICONE 7 9150008237860 92381 A 5967 384.000 OZN
XC RAPID CLEAN-CODE 40,PT AC 2640000526724 28954 A 3281 256.000 OZN

HDSC: HDSC605

MATERIAL NSN CAGE PNI BARCODE NET STORAGE
3M BRAND GEN TRIM ADHESIVE,PT 804000F000321 04963 A 11415 0.000 OZN
SUPERBONDER 499 THERMAL CYCL 8040001429193 05972 A 6672 30.000 OZF
TT-L-32A,LAQUER,TYPE 2,RED # 8010002516505 12904 A 1234 0.000 GL

HDSC: HDSC608

MATERIAL NSN CAGE PNI BARCODE NET STORAGE
ACETYLENE,ETHYNE 6830002646755 42568 XX 12313 2700.000 LB
ACUBLEN MASTER GAS 6830004984241 51847 A 12339 1800.000 LB
ARGON 6830002818808 18260 A 11381 6300.000 LB
BOSTIK 8010004825671 98502 A 13 0.000 GL
DETERGENT,GENERAL PURPOSE(SP 7930009265280 1A862 A 6045 0.000 OZF
ETHYLENE GLYCOL,TECH 681000064206 97984 A 1104 0.000 GL
GRAPHITE DRY LUBE 9620002336712 84195 A 12537 12.000 OZN
NITROGEN 6830005776623 18260 A 12072 3000.000 LB
OXYGEN-REFRIGERATED LIQUID. 6830001690800 6J576 A 11380 7200.000 LB
SOLVENT DEGREASER,FED SPEC O 6850009415054 94058 A 11479 0.000 OZF
TAP MAGIC ALUMINUM CUTTING F 915000X773777 17781 A 12130 0.000 OZF
TAP MAGIC CUTTING FLUID 9150001759154 17781 A 6368 0.000 OZF
WD-40 SPRAY CANS 12 OZ 8030008387789 09137 A 3138 84.000 OZF

HDSC: HDSC609

MATERIAL NSN CAGE PNI BARCODE NET STORAGE
266C,COMPOUND THINNING LIQUI 8010001605788 2E758 A 2686 5.000 GL
333GREEN ZENTHANE,MIL-C-5303 8010012297547 09225 A 11986 0.000 GL
BLUE GIANT NON-BUTYL DEGREAS 685001X424811 OLDP3 A 13224 3300.000 GL
ETHYLENE GLYCOL,TECH 97984 A 1104 0.000 GL
FP-95A PENETRANT (SEE SUPPL 6850007822740 98733 D 1105 0.000 OZN
HEAT RESISTANT BLACK,4279 801000N006099 08882 A 13351 0.000 GL
ISOPROPYL ALCOHOL 6810002865435 86511 A 4123 0.000 GL
ISOPROPYL ALCOHOL,ANHYDROUS 6505002998095 72190 A 8480 5.000 GL
MIL-T-81772A (AS) THINNER, A 8010001818079 33333 A 11349 10.000 GL
NITROGEN(7727-37-9) 6830005774623 58402 A 12109 10.000 LB
PRIMER, EPOXY CIG, CORR INHI 8010011879820 61196 A 11354 0.000 GL
PROLINE FINISHES/PL-120 ACRY 801000F005325 6K287 A 12345 15.000 GL

HDSC: HDSC612

MATERIAL NSN CAGE PNI BARCODE NET STORAGE
03-BK-28 BASE,BLACK 17038,PO 8010001818276 33461 A 834 5.000 QT
37038 8010006169143 33451 A 3548 120.000 PT
383 BROWN ZENTHANE, MIL-C-53 8010012297545 09225 A 11346 50.000 GL
383 GREEN ZENTHANE,MIL-C-530 8010012328514 12101 770.000 GL
383GREEN ZENTHANE,MIL-C-5303 8010012297547 09225 A 11986 226.000 GL
705015;COATING,ALIPH.POLYUR. 8010012297541 61196 A 9773 5.000 GL
728-010;PRIMER,FORMULA 1178: 8030002812726 09869 A 12159 8.000 GL
ALIPHATIC POLYISOCYANATE,383 8030001658577 09869 A 11367 50.000 GL
ALIPHATIC POLYISOCYANATE,383 8010012297541 09225 A 13263 0.000 GL
ALIPHATIC POLYISOCYANATE,383 8010012297541 09225 A 8237 1.000 GL
BLACK 37030 ZENTHANE, MIL-C5 8010012297542 09225 A 6382 15.000 GL
CORROSION RMVG/METAL CNDITNI 6850001749672 09225 A 11063 114.000 GL
DEFTHANE DARK GRAY ENAMEL 03 8010011009094 60930 A 1847 4.000 GL
EPOXY COATING, WHITE 17925 C 801000822439 33461 A 431 14.000 GL
GRAY 16492;742-624;ENAMEL AL 8010005262856 5V430 A 13282 0.000 GL
IS-143,POLYURETHANE THINNER, 8010002801751 33461 A 1068 9.000 GL
ISOPROPYL ALCOHOL,ANHYDROUS 6505002998095 72190 A 8480 605.000 GL
MIL-C-22750 "E" PART A 8010013138711 81522 A 12150 35.000 GL
MIL-P-14105 383 GREEN: 34094 32268 XX 12190 32.000 GL
MIL-T-81772A (AS) THINNER, A 8010001818079 33333 A 11349 10.000 GL
NITROGEN 6830005774623 18260 A 12072 11550.000 LB
PAINT, HEAT RESISTING SAND # 801000X895602 58402 A 12109 0.000 LB
PAINT LIQUID 8010012354166 32268 A 12102 23.500 GL
PHILLYCLAD 300 RESIN(OLIVE) 2004 09225 A 13144 6.000 GL
PM1918 5610007825556 00933 A 1355 68.000 GL
PRIMER, EPOXY CIG, CORR INHI 8010011879820 61196 A 11354 116.500 GL
PRIMER, EPOXY, CORR INHI,LE 8010011930517 61196 A 13137 96.000 GL
PRIMER-WASH PRETREATMENT FOR 8030002812726 61196 A 11358 0.000 GL
PROLINE FINISHES/PL-120 ACRY 801000F005325 6K287 A 12345 45.000 GL
PT-426/PT-428 801000822439 06341 A 4168 12.000 GL
ROYCO 586L,ROYCO 586M 9150002402235 07950 B 6318 0.000 GL
SO SURE, BLACK 37038, ID: 64 8010006169143 0FTT5 A 11042 0.000 PT
SO SURE WHITE PAINT,ENAMEL 8010007829356 0FTT5 C 11348 24.000 PT
TAN 686 ZENTHANE MIL-C-53039 8010012763640 09225 B 11061 0.000 GL
THINNER,AIRCRAFT COATING, PO 8010001818079 52216 A 12027 0.000 GL
XLS-G(RUST PREVENTIVE) 8030011273683 55246 A 13133 550.000 GL

HDSC: HDSC613

MATERIAL NSN CAGE PNI BARCODE NET STORAGE

TAN 686 ZENTHANE MIL-C-53039 8010012763640 09225 B 11061 35,000 GL
THINNER, AIRCRAFT COATING, PO 8010001818079 5W216 A 12027 0,000 0

HDSC: HDSC619

MATERIAL	NSN	CAGE	PNI	BARCODE	NET STORAGE
#17875 GLOSS WHITE LACQUER	8010002906983	25871 A	2181		1740.060 OZF
00060 JET PAK UNIT, LAB NO:	4940008036444	80183 A	11382		117.000 OZF
01770 OSHA GLOSS BLACK, 4590	8010002906984	09800 A	2792		76.440 OZF
101-S GASKET COMPOUND	8040006633745	3N611 A	11420		6240.000 GM
16187 GRAY	8010007219749	33333 A	4636		115.500 OZF
20109, PRIMER, BROWN OXIDE P	8010000675434	59986 A	2294		3953.000 OZF
266C, COMPOUND THINNING LIQUID	8010001605787	2E758 A	3355		1.000 GL
271	8030001489833	05972 A	3901		1880.000 ML
37038	8010006169143	33451 A	3548		344.000 PT
37038 FLAT BLACK, AEROSOL	8010005825382	0A016 A	11518		94.500 OZF
3M BRAND GEN TRIM ADHESIVE, PT	804000F000321	04963 A	11415		771198.488 OZF
732 MULTI-PURPOSE SEALANT-CL	5330010612946	71984 A	13085		18.000 OZF
742-732	8010006644761	09869 A	3527		1.000 GL
745-468, ALKYL, SEMIGLOSS	8010005273197	09869 A	2024		4.000 GL
8074	8040009957080	76381 A	3423		115.920 OZF
ACRYLIC SEMIGLOSS, ACCENT BAS	801000X904746	XXXXX A	13430		250.000 GL
AEROSHELL GREASE 17-SHELL CO	9150007542595	54527 A	5243		12.250 LB
AEROSOL SEALANT 818	8030001346513	60833 A	11519		308.000 OZF
ALKYL ENAMEL, YELLOW AEROSOL	010000793764	33451 A	1073		0.000 OZF
ANTI-SIEZE COMPOUND	8030005975367	84180 A	4667		15.000 LB
AVIATION FORMGASKET #3; ITEM	9150001977691	05972 A	11320		32.000 OZF
BATAM S-830-RR	8010005977844	60226 A	11506		240.000 GL
BENZONATRIC PROPANE CYLINDER	6830005843041	70785 A	3614		267.900 OZF
BLUE 15102; 742-516; ALKYL GLO	8010005977844	09869 A	3779		18.000 GL
BLUE 151231742-518; ALKYL ENA	8010008531859	09869 A	919		1.000 GL
BLUE GIANT NON-BUTYL DEGREAS	685001X424811	0LDP3 A	13224		220.000 GL
BOILED LINSEED OIL 20761-33-	8010001523245	96162 A	12093		1.000 GL
BRAKE FREE, SB-5	9150001054653	07950 A	11485		389.000 OZF
BRAKE FREE-CLEANER, LUB & PRE	9150010536688	07950 A	11485		7.000 GL
C-111, ADHESIVE, RUBBER BASE	8040002981946	25670 A	4263		0.000 OZF
CAT CEMENT 7M7260(BEF JAN 83	53300004792847	04963 A	12105		288.000 OZF
CATERPILLAR CEMENT #512471	80400010385043	76381 A	11128		368.000 OZF
CHISEL GASKET REMOVER (AEROSOL	685000003007	05972 A	12140		36.000 OZF
CHROMIC ACID, CHROMIC ANHYDR	6810002643939	91283 A	114		3.000 GL
CL3 EMERSON MW90076, ELEC. FOR	6810002499354	08163 A	162		68.000 GL
CLEANING & LUBRICATING COMPO	6850005709360	21267 A	2510		0.000 OZF
COLOR #16307, GRAY LACQUER	8010007219750	59986 A	3351		157.500 OZF
COR-ON	8010000675437	33451 A	4798		138.000 OZF
CORROSION RMVG/METAL CNDITNI	6850001749672	60930 A	1847		2.000 GL
CUTTING OIL	91500002316699	2F436 A	2281		1.000 PT
CV#83, GRADE	8030000812330	05972 A	1905		100.000 OZF
DETERGENT, GENERAL PURPOSE SP	7930003577386	1A862 A	5984		506.000 OZF
DOW CORNING 92-1143 SILICONE	9150011029455	71984 A	11397		11.000 GL
DRO54-CONCENTRATE	8010007219487	70506 A	3937		26.500 OZF
DRO76-CONCENTRATE	801000073764	70506 A	4598		94.500 OZF
DU-OL PENETRATING FLUID	6850009739091	01267 A	2410		110.000 OZF
ENAMEL ALKYL GLOSS BLACK 742	8010005272050	61196 B	11513		0.000 OZF
ENAMEL ALKYL SG GREEN 24533	8010005273197	61196 A	4551		0.000 OZF
ENAMEL, BLUE, 15102	8010007219746	07708 A	9074		74.415 OZF
ENAMEL, OLIVE DRAB, 14064	8010003843149	07708 A	11517		31.500 OZF
EPI-SEAL PLUS CURING AGENT -	8040007534800	19092 B	7389		1.000 OZF
ETHYLENE GLYCOL, TECH	6810000064206	97984 A	1104		0.000 GL
FORM-A-GASKET #1	803000F002229	62377 A	11489		264.000 OZF
FORM-A-GASKET #2	8030002523391	62377 A	4549		0.000 OZF
FORM-A-GASKET #3	8030002523391	62377 A	4890		385.000 OZF
FOUGERA WHITE PETROLATUM LUB	6505001338025	23301 A	11103		64.000 OZF

#356 MULTI-PURPOSE LATEX ADH	804000F005580	11761 A	13032		123.600 OZN
20109, PRIMER, BROWN OXIDE P	8010000675434	59986 A	2294		42.000 OZN
3M BRAND GENERAL TRIM ADHESI	804000F000321	04963 A	11415		318.250 OZN
ACETYLENE, ETHYNE	6830002646755	42568 XX	12313		1800.000 LB
ACUBLEND MASTER GAS	6830004984241	51847 A	12339		1650.000 LB
ANTI-SIEZE COMPOUND	8030005975367	07431 A	12978		16.000 OZN
ANTI-SPATTER	8030001068393	XXXXX A	13051		648.000 OZN
ARCAIR ALCLEAN	1218-0072	09687 A	13036		224.000 OZN
ARGON	6830002818808	18260 A	11381		4500.000 LB
BLUE LAYOUT FLUID: 603 (NEW	8010010213208	09800 B	4975		780.000 OZN
BUSFOL-CODES: 820, 832, 840, 974	2640001570112	0A588 A	6408		12.000 QT
C-100	8030009156123	73165 A	13028		36.000 OZN
ETHYLENE GLYCOL, TECH	6810000064206	97984 A	1104		0.000 OZN
FORM-A-GASKET 3	8030006561426	77247 A	4893		192.000 OZN
HDCP-420; BRAKE FLUID	9150002319071	99530 A	5501		64.000 OZN
LAYOUT FLUID REMOVER ; 606	801000102XXXX	09800 A	12318		227.304 OZN
NO. 603 BLUE LAYOUT FLUID	6850005201358	60777 A	12949		0.000 OZF
RAPID TAP	9150002811838	14332 A	12161		160.000 OZF
SCOTCH-GRIP RUBBER ADHESIVE	804000664318	04963 A	2122		8.000 OZN
SO-SURE GRAY 36306(104-380)(8010001594518	0FT15 B	12962		10.440 OZN
SO-SURE OLIVE DRAB 14064-204	8010001594522	0FT15 B	13033		63.000 OZN
SOLVENT DEGREASER(AEROSOL)	6850010615493	94058 A	12970		95.000 OZN
SP-1100(603 BLUE LAYOUT FLUI	6850010150834	60777 A	13019		720.000 OZN
TAP MAGIC CUTTING FLUID	9150000687864	17781 A	13021		8.000 OZF
TRIZOL TP; CUTTING FLUID	9150001759154	66662 A	6009		64.000 OZN
TURPENTINE	8010002614160	54216 A	12976		128.000 OZN
V-100 EPOXY GROUT STANDARD F	803000F007223	64128 A	12967		480.000 OZN
WD-40	8030009381947	56921 A	2013		0.000 OZN
WD-40 BULK LIO, 1 GAL	8030008326949	09137 A	12040		64.000 OZF
WD-40 SPRAY CANS 12 OZ.	91500010548665	09137 A	12356		264.000 OZN
WHITE 37875	8010005843150	58536 A	12959		39.000 OZN
WHITE LEAD BASIC CARBONATE P	8010002395737	33151 A	12003		20.000 OZN

HDSC: HDSC615

MATERIAL	NSN	CAGE	PNI	BARCODE	NET STORAGE
37038	8010006169143	33451 A	3548		0.000 PT
383 BROWN ZENTHANE, MIL-C-53	8010012297545	09225 A	11346		0.000 GL
383 GREEN ZENTHANE, MIL-C-530	8010012328514	12101			0.000 GL
383GREEN ZENTHANE, MIL-C-5303	8010012297547	09225 A	11986		100.000 GL
705015; COATING, ALIPH. POLYUR.	8010012297541	61196 A	9773		3.000 GL
705015; COATING, ALIPH. POLYUR.	8010012331568	61196 A	12145		0.000 GL
705020; COATING, ALIPH. POLYUR.	8010012330060	61196 A	12144		0.000 GL
728-011 PRIMER (WASH) PRETRE	8030001658577	09869 A	11367		25.000 GL
ACRYLIC SEMIGLOSS, ACCENT BAS	801000X904746	XXXXX A	13430		0.000 GL
ALUMINUM PAINT	8010008152692	34346 A	4868		0.000 GL
BLACK 17038	8010002906158	09869 A	3882		3.000 GL
BLACK 37030 ZENTHANE, MIL-C5	8010012297542	09225 A	11063		35.000 GL
IS-143, POLYURETHANE THINNER,	8010002801751	33461 A	1068		55.000 GL
ISOPROPYL ALCOHOL, ANHYDROUS	6505002998095	72190 A	8480		25.000 GL
MIL-P-14105 383 GREEN: 34094	8010012354164	32268 XX	12190		5.000 GL
MIL-T-81772A (AS) THINNER, A	8010001818079	33333 A	11349		130.000 GL
NITROGEN	6830005774623	18260 A	12072		300.000 LB
NITROGEN(727-37-9)	6830005774623	58402 A	12109		0.000 LB
PAINT LIQUID	8010012354166	32268	12102		9.000 GL
PAINT, HEAT RESISTING SAND #	801000X895602	09225 A	13144		4.000 GL
PHILLYCLAD 300 HARDENER	Z0004	20420 B	12221		0.000 QT
PHILLYCLAD 300 RESIN(OLIVE)	Z0004	20420 B	12133		9.000 GL
PM1918	5610007825556	00933 A	1355		11.000 GL
PRIMER, EPOXY CIG, CORR INHI	8010011879820	61196 A	11354		95.000 GL
SO-SURE WHITE PAINT, ENAMEL	8010007829356	0FT15 C	11348		6.000 PT
STRIP-SOL	801000X827667	STRSD A	12098		0.000 PT

GASKET REMOVER	803000F001896	62377 A	11412	594.000 OZF	TECTYL 846 ANTI-CORROSIVE CM	8030005261605	33150 A	2604	639.960 OZF
GASKET SEALING COMPOUND	8030006561426	33333 A	1945	400.000 OZF	THINNER DOPES LACQUER-CELLUL	8010001605788	54216 A	12012	5.000 GL
GREASE GRAPHITE	9150002575370	76736 A	11509	31.500 LB	THREAD COMPOUND	8030002921102	34094 A	2095	16.000 OZF
GREASE, AUTOMOTIVE AND ARTIL	9150001900905	10074 A	6198	32.500 LB	TT-E-508C	8010006160009	55652 A	2185	0.000 OZF
HDX ALL PURPOSE GEAR LUBE SA	9150010355394	10326 A	5020	825.000 GL	TT-E-527 ENAMEL, ALKYD, LUSTE	8010006169144	56921 A	3700	64.900 OZF
HIGH TACK SPRAY-A-GASKET/800	5330010386789	62377 A	11321	506.000 OZF	TT-L-32A LACQUER, TYPE 2, RED #	8010002516505	12904 A	1234	0.000 GL
HIGH TACK SUPER ADHESIVE	804000F000350	62377 A	11582	212.800 OZF	TT-L-50F GREEN 14062 LACQUER	8010001412951	33451 A	3661	10.500 OZF
HOTSHOT STARTING FLUID; #65-1	6850008237861	12625 A	2186	124.800 OZF	TT-P-1757 GREEN 34151 PRIMER	8010008998825	33451 A	1536	363.000 OZF
HYDRAULIC FLUID	9150002234134	07950 A	8689	10.000 GL	TT-P-19528 TYI WHITE	8010010171512	33148 A	12143	0.000 OZF
HYLOMAR PL32 MEDIUM	803000F004284	33333 A	12164	490.000 GM	VWG-671E-1 LUBRICATING GREAS	9150002575370	10074 A	11508	31.500 LB
ISOMORPHYL ALCOHOL, ANHYDROUS	8010002865435	72190 A	12180	15.000 GL	WD-40	8030009381947	56921 A	2013	403.920 OZF
JET-START FAST FLASH FUEL, NO	2910006469727	50999 A	8411	61.000 QT	WD-40 BULK LIO, 1 GAL	8030008326949	09137 A	12040	0.000 OZF
KRYLON CRYSTAL CLEAR SPRAY 1	8010005152487	87187 A	3304	21.000 OZF	WEATHERSTRIP AND GASKET ADHE	8030008387789	09137 A	3138	672.000 OZF
LACQUER RED, X8431	8010001412952	07708 A	1069	244.440 OZF	WHITE LEAD BASIC CARBONATE P	8040001092481	04963 A	11483	40.000 OZF
LACQUER, AEROSOL 13538 YELLO	8010007219744	59581 A	3460	273.000 OZF	WINDSHIELD CLEANER	8010002395737	33151 A	12003	20.000 LB
LACQUER, CLEAR	8010005152487	33451 A	2432	84.000 OZF	WOLF'S HEAD SPECIAL DUTY SER	9150001889862	23894 A	5113	19.000 GL
LEAK LOCK	8030009996315	08589 A	254	292.500 OZF	WOLF'S HEAD SPECIAL DUTY SER	9150001896729	01326 A	6097	165.000 GL
LED-PLATE NO. 250	8030002513980	84180 A	981	1.000 LB	WOLF'S HEAD SPECIAL DUTY SER	9150001912772	01326 A	5366	990.000 GL
LUB COMPOUND DIMETHYLSILICON	9150008237860	09800 A	6251	200.000 OZF	YELLOW 13538	8010005272045	09869 A	1416	2640.000 GL
LUBRIPLATE "105"	9150003921670	9N579 A	12096	80.000 OZF					
MC-2524/MC-2735/MC-2786/MC27	9150011524119	58563 A	2012	110.000 GL					
MIL-C-450	8030002905141	81348 A	2460	10.000 GL					
MIL-C-450C	8030002905141	86273 A	2560	15.000 GL					
MIL-G-10924, GREASE, AUTOMOTIV	9150001900905	60226 A	5375	5.620 GL					
MIL-S-22473, GRADE C - SEALIN	8030008237917	05972 A	12106	392.000 OZF					
MIL-T-83483	8030002433285	60115 A	3363	0.000 QT					
MM-A-22C ADHESIVE	8040004334065	33150 A	2415	3.000 QT					
MOLYKOTE G-RAPID SPRAY, LUBR	9150010317238	71984 A	5374	30.000 OZF					
N-1051 MM-A-1617 TYPE 2 ADH	8040002904301	31711 A	582	6.000 QT					
ORANGE # 12246	8010005273201	09869 A	1154	5.000 GL					
PENETRATING OIL	9150002617899	0AD61 A	12091	1.000 PT					
PRIMER COATING SYN F/BRAKE D	8010009436694	61196 A	12153	20.000 QT					
PSI-601 SILICONE SEALANT	8040002234548	0KN03 A	12974	103.000 OZF					
PSI-601 SILICONE SEALANT PN	8040008779872	0KN03 A	12943	237.500 OZF					
QUICK START DIESEL STARTING	2910006469727	61112 A	3863	44.000 OZF					
R 991-T RUBBER ADHESIVE	8040002660856	03481 A	12925	16.000 OZF					
RED #11105	8010006167486	09869 A	2311	15.000 GL					
RED #11136-1	8010005273198	09869 A	1675	3.000 GL					
ROYCO 64	9150007542595	07950 A	5324	13.500 LB					
RTV-103 ADHESIVE SEALANT/BLA	8040008658991	01139 A	11416	92.700 OZF					
RTV-108 ADHESIVE SEALANT	6850008807616	01139 A	6217	16.000 OZF					
RTV102	8040008779872	01139 A	11129	824.000 OZF					
RIV102 SILICONE SEALANT	8040002234548	01139 A	6411	10.300 OZF					
SAFETY SOLVENT AEROSOL	OTC238A183	BRODY A	12131	180.000 OZF					
SBF 1001 (BRAKE FLUID)	9150011029455	01139 A	11395	30.000 GL					
SCOTCHAL BRAND EDGE SEALER 3	8030009369940	04963 A	4781	152.000 OZF					
SCOTCHAL EDGE SEALER, 3950	803000X773672	33150 A	13156	374.000 OZF					
SDA-3A, 190 PROOF DENATURED A	6810005437415	1F942 A	11484	12.000 GL					
SE 860 0020	9150002463276	3V856 A	11492	30.000 GL					
SHELL ROTELLA(R) OIL 10W	915000F007614	54527 A	12094	0.000 OZF					
SILICONE 7	9150008237860	92381 A	5967	672.000 OZF					
SILVER CYANIDE	6810002418426	83628 A	239	0.000 GL					
SO SURE LACQUER BLUE 15102	8010005825382	81348 A	1014	188.907 OZF					
SO SURE LACQUER, OLIVE DRAB	8010007219746	81348 A	2269	22.000 OZF					
SO SURE LACQUER, YELLOW 1353	8010005843149	81348 A	4696	0.000 OZF					
SO-SURE ALUMINUM 17178-14816	8010007219744	81348 A	2879	262.500 OZF					
SO-SURE ALUMINUM 17178-14816	8010007219751	0FT15 A	13222	10.500 OZF					
SOLVENT DEGREASER (AEROSOL)	8010001412952	58536 A	11515	42.000 OZF					
SPRAY ADHESIVE 74	6850009415054	94058 A	11479	0.000 OZF					
SPRAY STENCIL INK-BLACK	8040000181761	76381 A	2043	0.000 OZF					
STRIP-SOL	7510004697910	30133 A	11961	73.500 OZF					
SUPER POXEE-EPOXY RESIN	801000X827667	STR09 A	12098	80.000 OZF					
SNEPCO 201 LUBE, 85W/140	804000N000084	17529 A	12170	0.000 GM					
TB 1361(A), RED, GRADE A	9150010355396	14392 A	6059	660.000 GL					
TECHNOLUBE FB-003 OR AM1 (PE	8030000812338	81349 A	6465	396.000 OZF					
	9150002234134	2X769 A	11390	5.000 GL					

MATERIAL	NSN	CAGE	PNI	BARCODE	NET STORAGE
BLUE TOOLMAKER'S INK #6001,	68500006649067	92381 A	4552		300.000 OZF
BODY LIGHT	801000X881303	10054 A	890325		46.000 GL
C-111,ADHESIVE, RUBBER BASE	8040002981946	4263			0.000 OZF
CATERPILLAR CEMENT #5H2471	8040010385043	76381 A	11128		64.000 OZF
CORROSIVE PREVENTIVE COMPOUN	8030011346513	60833 A	11519		208.000 OZF
GLASS FENCE	7930006646910	53278 A	6642		63.960 OZF
HEAT FENCE	3439012664557	55248 A	12965		0.000 OZF
MAR-GLASS	801000X414798	10054 A	12053		4.000 GL
MIL-R-19907C,PART A PASTE RE	2090003726064	10092 A	12968		4.000 PT
N-1051 MMH-A-1617 TYPE 2	8040006644318	33150 A	4255		45.000 QT
N-1051 MMH-A-1617 TYPE 2 ADH	8040002904301	31711 A	582		52.000 OZF
O-E-760,ALCOHOL DENATURED,GR	6810005437415	82925 A	2191		0.000 OZF
OXYGEN-REFRIGERATED LIQUID.	6830001690800	61576 A	11380		8100.000 LB
RTV-103 ADHESIVE SEALANT/BLA	80400008658991	01139 A	11416		1420.000 OZF
SEALING COMPOUND	8030005798453	83574 A	2038		177.000 PT
SILICONE LUBRICATING CMPD	9150008237860	4N258 A	5277		0.000 OZF
SIMPLE GREEN (OIL DISPERSANT	793000F004191	SUNMA A	12062		12.750 GL
TOILET SOAP	8520002280598	81348 A	11100		3.000 GL
WD-40 BULK LIQ, 1 GAL	8030008326949	09137 A	12040		144.000 OZF
WD-40 SPRAY CANS	8030008387789	31285 A	12005		0.000 OZF

HDSC: HDSC639A

MATERIAL	NSN	CAGE	PNI	BARCODE	NET STORAGE
1046-A, WATER-BASED ADHESIVE	8040007542483	33150 A	11417		27.000 PT
14-0536-323	6840010039590	93702 C	1484		120.000 PT
3145 RTV ADHES. SEALANT CLEA	8040001178510	26999 A	11943		937.300 OZF
804000F014972	55972 A	11092			29.000 PT
92285A (CHEWLETT-PACKARD)	6850012166823	18A63 A	11020		11.000 PT
ANOCO LITHIUM MULTI-PURPOSE	915000F004840	9V266 A	12197		102.250 PT
DAP 230 SEALANT (ALL COLORS)	803000009265	18L51 A	939014		2124.000 OZF
EPI-SEAL PLUS CURING AGENT -	8040007534800	19092 B	7389		192.000 OZN
FEL-PRO C5-A	8030001556444	73165 A	2106		8.000 LB
FURNITURE POLISH	7930002667121	23894 A	12114		24.000 PT
GLASS CLR, LIQ, REG, RDY TO	7930006646910	1A862 A	11052		5376.000 OZF
GSA AIR DECORANT	6840007216055	27689 A	5425		86.000 PT
HOTSHOT STARTING FLUID;#65-1	6850008237861	12625 A	2186		96.000 PT
JX-93TC TONER	685000F010430	E0222 A	12181		42.000 OZN
MACCO LN601, MMF173	804000F007421	33333 A	11545		5680.500 OZF
MED ROCK SALT	6810002270437	85768 A	11094		20.000 GL
O-D-1276,DETERGENT PINE OIL,	6840006877904	1A862 A	6017		162.000 QT
PARA-DICHLOROBENZENE	6840006646610	61253 A	11971		8.000 QT
POLISHING COMPOUND	7930002667142	23894 A	11979		9.000 QT
PROLINE FINISHES/PL-120 ACRY	801000F005325	6K287 A	12345		5.000 GL
PVC PRIMER	6850000000118	84794 A	12930		20.000 PT
REMOVE	OK2H41610	MTUST A	93106		106.000 GL
RTV SILICONE RUBBER SUS-833	6850000000695	07607 A	12344		560.000 OZN
RTV-103 ADHESIVE SEALANT	8040008658991	01139 A	11416		1600.000 OZF
RTV102	8040008779872	01139 A	11129		1305.200 OZF
SAFETY SOLVENT AEROSOL	01C238A183	01139 A	6411		2150.000 OZF
SO-SURE STENCIL INK BLACK 37	7510004697910	BRODY A	12131		216.000 PT
SPRINKPASTE D-3603	8040002660837	0FIT5 A	13265		247.000 PT
STAMP-PAD INK	7510001614240	82956 A	11620		37.840 OZF
STANDARD SOLVENT	6850002097947	53984 A	9788		1503.000 PT
TAP MAGIC ALUMINUM CUTTING F	915000X773777	17781 A	11105		58.000 PT
THINNER FOR LIQUID PAPER COR	751000F009636	9A977 A	12140		38.000 OZF
WD-40 SPRAY CANS 12 OZ	8030008387789	09137 A	3138		152.875 GL
WELD-ON WET OR DRY 725 FOR P	804000F017177	17510 A	12194		74.000 PT
YELLOW INK JET INK CARTRIDGE	F-4010XEROX	6U221 A	939031		60.000 CC

HDSC: HDSCCMF

MATERIAL	NSN	CAGE	PNI	BARCODE	NET STORAGE
01770 OSHA GLOSS BLACK, 4590	8010002906984	09800 A	2792		0.000 OZF
1587 ROSIN FLUX	.43900N001332	75297 A	12191		0.000 OZF
191 9042 FLEXICOLOR DEVELOPE	6750010107343	19139 C	4467		0.000 LB
20109, PRIMER, BROWN OXIDE P	8010000675434	59986 A	2294		24.000 PT
266C,COMPOUND THINNING LIQU	8010001605788	2E758 A	2686		245.000 GL
37038	8010008169143	33451 A	3548		149.940 OZF
383 BROWN ZENTHANE, MIL-C-53	8010012297545	09225 A	11346		10.000 GL
383GREEN ZENTHANE,MIL-C-5303	8010012297547	09225 A	11986		250.000 GL
3M SUPER 74 FOAMFAST ADHESIV	8040001817761	04963 A	2340		105.190 OZF
705015;COATING,ALIPH.POLYUR.	8010012297541	61196 A	9773		44.000 GL
7100L	6850009415054	53984 A	1375		0.000 OZF
ACETYLENE ETHYNE	6830002646755	42568 XX	12313		3150.000 LB
ALIPHATIC POLYSOCYANATE,383	8010012297544	09225 A	8237		18.000 GL
ALIPHATIC POLYSOCYANATE,383	8010012299561	09225 A	6382		28.000 GL
ALLEN SOLDER PASTE	3439002554571	70279 A	3733		0.000 OZN
ALUMINUM PAINT	8010008152692	34346 A	4868		0.000 GL
ANTI-SIEZE COMPOUND	8030005975367	84180 A	4667		0.000 PT
AVIATION FORMGASKET #3;ITEM	5330004408959	05972 A	11320		0.000 PT
BERNZONOMATIC PROPANE CYLINDER	6830005843041	70785 A	3614		0.000 OZF
BLACK 17038	801002906158	09869 A	3882		7.000 GL
BLACK 37030 ZENTHANE, MIL-C5	8010012297542	09225 A	11063		15.000 GL
BRAKE FREE, SB-5	9150010546453	07950 A	11323		0.000 PT
BRAKE FREE-CLEANER, LUB & PRE	9150010536688	07950 A	11485		0.000 GL
C-111,ADHESIVE, RUBBER BASE	8040002981946	25670 A	4263		96.000 OZN
CARBON DIOXIDE (CARBONIC ACI	6830002450199	33333 A	4387		0.000 LB
CASTOR OIL AA STD	9150002617455	5A188 A	12057		0.000 OZF
CAT CEMENT 7H72601BEF JAN 83	5330004792847	04963 A	12105		8707.200 ML
CATALYST 24LV, PART-D	8040000428256	04552 D	2040		0.000 OZF
CATERPILLAR CEMENT #5H2471	8040010385043	76381 A	11128		0.000 OZN
CCA-412	6810004190634	70829 A	371		0.000 GM
CHISEL GASKET REMOVER (AEROS	6850000003007	05972 A	12140		0.000 OZF
CLEANING & LUBRICATING COMPO	6850005709360	21267 A	2510		0.000 OZF
CLYPTAL 1201A RED INSULATING	5970007854098	18241 A	11371		0.000 OZF
CV#83, GRADE	6850000812330	05972 A	1905		0.000 PT
D100 DEVELOPER & D350 DEVELO	6850007822740	21405 D	3371		852.000 GM
DAP ACRYLIC LATEX CAULK W/ST	803000F001359	90300 A	11985		0.000 OZN
DOM CORNING 730RTV FLUOROSIL	8030008434605	71984 A	4021		0.000 OZN
DUBL-CHEK DP-40 DYE PENETRAN	6850003577926	21405 A	12163		0.000 GM
DYKEM LAYOUT RED DXX-290	LAYOUT DYE RED	98148 A	13284		0.000 PT
ETHYLENE GLYCOL, TECH	98148DXX324	98148 A	12311		0.000 PT
FAST DRY SAFETY SOLVENT	6810000064206	97984 A	1104		0.000 GL
FORM-A-GASKET #2, MIL-S-4518	8030002523391	XXXXX A	939042		0.000 OZF
FULL FORCE ANTIFREEZE	9150001896729	08028 A	4890		99.000 OZN
G624 SILICONE GREASE COMPOUN	6850008807616	2U130 A	2219		275.000 GL
GE012 SILICONE RUBBER CAULK	803000F005589	0D426 A	11036		0.000 OZN
GOLD MEDAL CLEAR-IN OIL;COD	9150001110210	01139 A	12541		0.000 OZN
GOODWRENCH BREAK RTV SILICON	8030012065823	2X769 A	12147		2585.000 GL
GRADE AA, GREEN	8030000812340	11862 A	12184		0.000 OZN
GRAY 16492;742-624;ENAMEL AL	8010005262856	81349 A	1734		0.000 CC
GREASE, AUTOMOTIVE AND ARTIL	9150001900905	09869 A	12154		32.000 GL
GREASE, BALL & ROLLER BEARIN	9150001491593	1V074 A	6198		0.000 OZN
HDX ALL PURPOSE GEAR LUBE SA	9150010355394	01326 A	5020		0.000 LB
HEAVY WEIGHT BODY FILLER	8010010607176	16522 B	11987		110.000 GL
HIGH TACK SPRAY-A-GASKET/800	5330010386789	62377 A	11321		5.000 GL
HIGH TACK SUPER ADHESIVE	804000F000350	62377 A	11582		0.000 OZF
HOBART 10 AWS A5.1 CLASS E60	3439002622670	28835 A	201		12.000 PT
HOTSHOT STARTING FLUID;#65-1	6850008237861	12825 A	2186		0.000 OZF
HYDRAULIC FLUID	9150002234134	07950 A	8689		0.000 OZF
HYLOWAR PL32 HEAVY	804000X866123	33333 A	13283		114.000 GL
HYLOWAR PL32 MEDIUM	803000F004284	33333 A	12164		0.000 GM
IMPERIAL 2075TH,QUAL#634-D-3	9150009857233	58563 A	1013		0.000 OZF

ISOPROPYL ALCOHOL, ANHYDROUS	6810002865435	29700 A	12180	0.000 OZF
JET-START FAST FLASH FUEL, NO	2910006469727	50999 A	8411	0.000 OZF
LAYOUT FLUID	16365 A	12226	0.000 OZF	
LEAK LOCK	8030009996313	08589 A	254	153.000 OZN
LEAK-TEC 16-OX (TYPE I)	6850001862963	03530 A	1128	0.000 OZF
LOCTITE GRADE A ANAEROBIC AD	8030000812339	05972 A	1142	0.000 OZF
LUB COMPOUND DIMETHYLSILICON	9150008237860	09800 A	6251	0.000 OZF
LUBRIPLATE "105"	9150003921670	98579 A	12096	0.000 OZN
M10-MEGUIAR'S PROFESSIONAL P	7930011335375	MEGUI A	11055	0.000 OZF
MC-2524/MC-2735/MC-2786/MC27	9150011524119	58563 A	2012	1265.000 GL
MIL-L-212600;GRADE 30;QUAL#M	9150001110210	58563 A	12195	0.000 OZF
MIL-P-14105 383 GREEN: 34094	8010012354164	32268 XX	12190	100.000 GL
MIL-T-81772A (AS) THINNER, A	8010001818079	33333 A	11349	105.000 GL
MOPAR AUTOMATIC TRANSMISSION	9150008431636	51926 A	12010	0.000 OZF
N/A	6850009652082	23894 A	266	0.000 OZN
NITRIC ACID(36-43 DEG BE/52-	6810002365670	11164 A	203	0.000 OZF
NITROGEN	6830005774623	18260 A	12072	8100.000 LB
NJ-2 DURO NAVAL JELLY RUST D	685000F008768	08028 A	12166	0.000 PT
OXYGEN-REFRIGERATED LIQUID.	6830001690800	6J576 A	11380	7200.000 LB
PAINT, HEAT RESISTING SAND #	801000X895602	09225 A	13144	4.000 GL
PERMA-LOC HM 115	8030010251692	61078 A	12167	0.000 OZN
PERMA-LOC LH050	8030010540740	85091 A	12212	0.000 OZN
PIPE SEALANT W/TEFLON	685000F002042	05972 A	12218	0.000 OZN
PLIOBOND 20	8040002009190	34897 A	11414	0.000 PT
PRIMER COATING SYN F/BRAKE D	8010009436694	61196 A	12153	0.000 PT
PRIMER, EPOXY CIG, CORR INH	8010011879820	61196 A	11354	85.000 GL
PS/T PART NO.592 (PIPE SEALA	8030010540740	05972 A	12206	0.000 OZN
PSI-601 SILICONE SEALANT PN	8040008779872	0KND3 A	12043	0.000 OZN
QUICK START DIESEL STARTING	2910006469727	61112 A	3863	330.000 OZF
REMOVE	OK2H41610	MTWST A	93106	0.000 GL
ROCKWELL 950 SEALANT(BULK GR	9150002929657	80318 A	6208	1.000 GL
RTV BLUE SILICONE FORMGASKE	803000N000591	35933 A	12220	0.000 OZN
RTV-103 ADHESIVE SEALANT	8040008658991	01139 A	11416	0.000 OZN
RTV-108 ADHESIVE SEALANT	6850008807616	01139 A	6217	0.000 OZN
RTV102	8040008779872	01139 A	11129	0.000 OZN
RTV102 SILICONE SEALANT	8040002254548	01139 A	6411	0.000 OZN
RTV106 ADHESIVE/SEALANT	8040002696253	01139 A	11558	0.000 OZN
RTV133 SILICONE RUBBER	685000F001517	01139 A	12561	0.000 OZN
RTV162	8040009381535	01139 A	11586	0.000 OZN
RTV189	8040001449774	01139 A	11419	0.000 OZN
SA 824 3262;GREASE AUTOMOTI	9150001900907	34495 A	13135	65.000 GL
SB 837 1330	9150006982382	07750 A	5856	165.000 GL
SBF 1001 (BRAKE FLUID)	9150011029455	01139 A	11395	81.000 LB
SCOTCHAL BRAND EDGE SEALER 3	8030009369940	04963 A	4781	0.000 OZN
SCOTCHGRIP 1357 ADHESIVE CH1	8040002738717	04963 A	3216	0.000 OZF
SDA-3A,190 PROOF DENATURED A	6810005437415	1F942 A	11484	0.000 OZF
SKC-NF/ZC-7 CLEANER (PRE 1/8	6850007822740	37676 B	2453	0.000 GL
SO-SURE STENCIL INK BLACK 37	7510004697910	0FTT5 A	13265	0.000 OZF
SO-SURE WHITE PAINT ENAMEL	8010007829356	0FTT5 C	13348	0.000 OZF
SOLVENT DEGREASER,FED SPEC 0	6850009415054	94058 A	11479	0.000 OZF
SPRAY STENCIL INK-BLACK	7510004697910	30133 A	11961	0.000 OZF
STRIP-SOL	801000X827667	STRSO A	12098	0.000 OZF
SUPERFLEX HIGH TEMP SILICONE	803000X844875RT	05792 A	13329	176.000 OZF
SUPERFLEX ULTRA BLUE SILICON	05972587-30	05972 A	13240	0.000 OZN
SUPERFLEX ULTRA BLUE, SILICO	803000F003832	05972 A	12141	0.000 OZN
SUPERFLEX HIGH TEMP RED SILLI	685000N009560	05972 A	12193	0.000 OZN
TARN-X, SILVER TARNISH REMOV	685000F004170	9X051 A	12341	0.000 OZF
TB 1361(A),RED,GRADE A	8030000812338	81349 A	6465	0.000 OZF
TRICHLOROETHAN 111 DEGRS COL	6810005511487	0BESB A	1506	1320.000 GL
TT-P-1757 GREEN 34151 PRIMER	8010008998825	33451 A	1536	0.000 OZF
WD-40	8030009381947	56921 A	2013	0.000 OZF
WD-40 BULK LIQ, 1 GAL	8030008326949	09137 A	12040	0.000 OZF
WD-40 SPRAY CANS 12 OZ	8030008367789	09137 A	3138	0.000 OZF
XYLENE	6810005840070	5A188 A	2374	25.000 GL
YELLOW PROTOPET 2A	9150002500926	33333 A	6113	10.000 QT

HAZARDOUS MATERIALS USAGE REPORT

MATERIAL USAGE REPORT

SUBTOTAL BY BUILDING
START: 1993-3-1 END: 1993-10-12

BUILDING: 1221

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
ENAMEL, ORANGE 12197	8010005843148	07708 A	12155		16.000 OZF
BUILDING: 1251					
MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
SO-SURE STENCIL INK BLACK 37 7510004697910		0FTT5 A	13265		1.000 OZF
SO-SURE OBLITERATING COMPOUND 8010005824743		0FTT5 B	13230		16.000 OZF
BUILDING: 1257					
MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
ENAMEL, OLIVE DRAB, 14064	8010005843149	07708 A	11517		32.000 OZF

BUILDING: 1375

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
SO-SURE STENCIL INK BLACK 37 7510004697910		0FTT5 A	13265		12.000 OZF
A-A-857, THINNER, PAINT PRODU 8010001605787		4N760 A	13388		1.000 GL
SO-SURE OBLITERATING COMPOUND 8010005824743		0FTT5 B	13230		12.000 OZF
ENAMEL, ORANGE 12197	8010005843148	07708 A	12155		12.000 OZF
WD-40 SPRAY CANS 12 OZ	80300008387789	09137 A	3138		12.000 OZF
BUILDING: 502					
MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
TOLUENE	6810002812002	78628 A	4978		1.217 OZF
OXYGEN-REFRIGERATED LIQUID.	6830001690800	6J576 A	11380		1800.000 LBS
ACETYLENE ETHYNE	6830002646755	42568 XX	12313		1800.000 LBS
TT-E-00488	8010000793752	60777 A	904		1.500 GL
LACQUER RED, X8431	8010001412952	07708 A	1069		96.000 OZF
P-803-66	8010001594518	71191 A	2546		18.000 GL
266C, COMPOUND THINNING LIQUID	8010001605788	2E758 A	2686		15.000 GL
TT-P-664C RUST INHIBITING PR	8010001617275	09869 A	4365		5.000 GL
#17875 GLOSS WHITE LACQUER	8010002906983	25871 A	2181		1.500 GL
ENAMEL, ORANGE 12197	8010005843148	07708 A	12155		96.000 OZF
WHITE 37875	8010005843150	58536 A	12959		1.500 GL
ENAMEL, ORANGE, 12215	8010007219479	07708 A	12275		4.500 GL
DR054-CONCENTRATE	8010007219487	70506 A	3937		96.000 OZF
ENAMEL, RED, 11105	8010007219743	07708 A	12294		4.500 GL

AEROSOL SPRAY PAINT YELLOW 1	8010007219744	07708 A	13333		1.217 OZF
SO SURE FLUORESCENT ORANGE 1	8010009588148	0FTT5 B	939135		1.125 GL
A-A-47	8010009588148	33451 A	2552		1.125 GL
202-18 SG GREEN PAINT (SEE S	8010009588150	58825 A	12298		1.500 GL
AEROSOL-ACRYLIC LACQUER YELL	8010009588151	59581 A	1110		1.500 GL
DR059-CONCENTRATE	8010009552389	70506 A	1052		4.500 GL
EPOWELD 8173A	8040000922816	96900 A	2260		6.762 OZF
3M BRAND GENERAL TRIM ADHESI	804000X790824	04963 A	11953		16.000 OZF

BUILDING: 507

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
FORM-A-GASKET #2	5330008441989	62377 A	13086		1.031 LBS
SOLVENT DEGREASER, FED SPEC O	6850009415054	94058 A	11479		9.559 LBS
SOLVENT DEGREASER(AEROSOL)	6850010615493	94058 A	12970		19.000 OZF
SOLVENT DEGREASER(AEROSOL)	6850010615493	94058 A	12970		3.562 LBS
SIMPLE GREEN INDUSTRIAL CLEA	7930013424145	SUNMA A	12107		19.000 OZF
WD-40 SPRAY CANS 12 OZ	80300008387789	09137 A	3138		1.628 LBS
RTV102	804000879872	31285 A	12005		6.132 GL
HD MOTOR OIL SAE 10W-30	9150001866703	01139 A	11129		2.800 OZF
WOLF'S HEAD SPECIAL DUTY SER	9150001896729	01326 A	13203		55.000 GL
GREASE, MIL-G-10924D	9150002319071	01326 A	6097		330.000 GL
CITGO C-500 MOTOR OIL, SAE	9150005307369	96717 A	5581		12.000 OZF
GUMOUT JET SPRAY-GUMOUT AERO	940500X877391	7X110 A	5336		115.000 GL
		01326 A	13052		55.000 GL
		01326 A	13052		1.188 LBS

BUILDING: 510

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
ANTIFREEZE-ETHYLENE GLYCOL	6850006641409	52393 A	2406		110.000 GL
SOLVENT DEGREASER, FED SPEC O	6850009415054	94058 A	11479		13.181 LBS
SOLVENT DEGREASER(AEROSOL)	6850010615493	94058 A	12970		19.000 OZF
DEGREASER SAFETY SOLVENT 510	6850010615493	57040 B	11072		19.000 OZF
SOLVENT DEGREASER(AEROSOL)	6850010615493	94058 A	12970		2.375 LBS
CAS #8031-18-3 OIL-DRY	7930002691272	74138 A	6073		325.000 LBS
WD-40 SPRAY CANS 12 OZ	80300008387789	09137 A	3138		1.005 LBS
HD MOTOR OIL SAE 10W-30	9150001866703	01326 A	13203		55.000 GL
WOLF'S HEAD SPECIAL DUTY SER	9150001896729	01326 A	6097		220.000 GL
WOLF'S HEAD SPECIAL DUTY SER1	9150001912772	01326 A	5366		330.000 GL
WOLF'S HEAD SPECIAL DUTY SER1	9150002319071	96717 A	5581		12.000 OZF
WOLF'S HEAD SPECIAL DUTY SER1	9150002319071	01326 A	13052		3.444 LBS
GUMOUT JET SPRAY-GUMOUT AERO	940500X877391	01326 A	13052		4.500 LBS
SAFETY SOLVENT AEROSOL	OTC238A183	BR00Y A	12131		

BUILDING: 511

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
ENAMEL REDUCERS	11RS88559	88559 A	13164		1.000 GL
ISOCYANATE ACTIVATORS, HARDEN	12RS88559	88559 A	13143		32.000 OZF
ENAMEL PRIMERS, CHROMATE PRIM	15RS88559	88559 A	13153		1.625 GL
URO PRODUCTS:1075S, 1080S, 108	17RS88559	88559 A	13131		6.875 GL
CENTARI ACRYLIC ENAMEL/CHECK	4RS88559	88559 A	13154		3.125 GL
SOLVENT DEGREASER, FED SPEC O	6850009415054	94058 A	11479		38.000 OZF
SOLVENT DEGREASER(AEROSOL)	6850010615493	94058 A	12970		2.375 LBS
CARB	6850010851423	60930 A	2920		5.000 GL
WINDHIELD WASHER FLUID	73086 600	8X792 A	13294		55.000 GL
SO-SURE STENCIL INK BLACK 37	7510004697910	0FTT5 A	13265		24.000 OZF

CAS #8031-18-3 OIL-DRY 7930002691272 74138 A 6073 500.000 LBS
 266C, COMPOUND THINNING LIQUI 8010001605788 2E758 A 2686 5.000 GL
 AMSCO SOLV, 1241 80100008377969 33333 A 3865 1.000 GL
 BOND 8010009262135 16522 A 3631 1.000 GL
 ENAMEL REDUCERS 1700S 90227 A 12050 16.000 OZF
 PAINT CENTARI ACRYLIC ENAMEL 801000F003496 90227 A 12050 16.000 OZF
 CENTARI 793S 8010011576925 23037 A 13110 48.000 OZF
 WD-40 SPRAY CANS 12 OZ 8030008387789 09137 A 3138 4.511 LBS
 WD-40 SPRAY CANS 8030008387789 31285 A 12005 1.500 LBS
 FIBERGLASS RESIN 803000F003980 USCHP A 11008 48.000 OZF
 CLEAR ENAMEL TOPCOATS/500S58 8RS88559 88559 A 13155 2.000 GL
 1010 POWDERED SOAP 8W857 1010 HYDRO A 13296 100.000 LBS
 1040 & PC 1040 PRESRAY SOAP 8W857 1040 HYDRO A 13291 110.000 GL
 1040F POWER CLEAN FORMING SO 8W857 1040F HYDRO A 13292 5.000 GL
 WIND SHEET WAX 8W857 CCX05X HYDRO A 13290 15.000 GL
 HD MOTOR OIL SAE 10W-30 9150001866703 13026 A 13203 165.000 GL
 MIL-L-46152B & AMD 10430 & 9150001866703 58563 A 12146 110.000 GL
 WOLF'S HEAD SPECIAL DUTY SER 9150001896729 01326 A 6097 385.000 GL
 WOLF'S HEAD SPECIAL DUTY SER 9150001912772 01326 A 5366 110.000 GL
 WD-40 SPRAY CANS 12 OZ 9150010548665 09137 A 13236 37.000 OZF
 WD-40 SPRAY CANS 12 OZ 9150010548665 09137 A 13236 37.000 OZF
 GUMOUT JET SPRAY-GUMOUT AERO 940500X877391 01326 A 13052 11.875 LBS
 CENTARI & LUCITE BASEMAKERS BASEMAKER 81175 A 13180 80.000 OZF
 SAFETY SOLVENT AEROSOL OTC238A183 BRODY A 12131 1.125 LBS

BUILDING: 511'

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
ENAMEL PRIMERS, CHROMATE PRIM	15RS88559	88559 A	13153		32.000 OZF
URO PRODUCTS: 1075S, 1080S, 108	17RS88559	88559 A	13131		32.000 OZF
#24087 OLIVE DRAB	8010005985936	07708 A	3410		80.000 OZF
FIBERGLASS RESIN	803000F003980	USCHP A	11008		32.000 OZF

BUILDING: 606

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
SOLUTION S0136 PHOSPHATE RED	2L794S0136	89524 A	93056		0.034 OZF
SOLUTION S0613 ST-1	2L794S0613ST-1	89524 A	93115		0.034 OZF
SOLUTION S0614 ST-2	2L794S0614ST2	89524 A	93116		0.034 OZF
SOLUTION S0127 PNC-1 (INDIC	2L794S0127PNC-1	89524 A	13174		0.034 OZF
SOLUTION S0135 VM REAGENT	2L794S0135	89524 A	13176		0.034 OZF
SOLUTION S0297 3000 MICROMHO	2L794S0297	89524 A	13177		0.034 OZF
SUPER POKEE CLEANER DP-2 PAR	5P872810779	17529 A	93090		0.406 OZF
QUEBRACHO EXTRACT	6810008195741	51971 A	5061		1540.000 LBS
SODIUM METAPHOSPHATE TECH	6810009498331	23894 A	13277		1100.000 GL
CHLORINE	6830001690786	7A345 A	6668		750.000 LBS
CARBON DIOXIDE (CARBONIC ACI	6830002450199	33333 A	4387		3600.000 LBS
3M BRAND GENERAL TRIM ADHESI	804000X790824	04963 A	11953		3.000 GL

BUILDING: 608

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
SOLVENT DEGREASER, FED SPEC O	6850009415054	94058 A	11479		32.000 OZF
DETERGENT, GENERAL PURPOSE (SP	7930009265280	18662 A	6045		24.000 OZF
WD-40 SPRAY CANS 12 OZ	8030008387789	09137 A	3138		12.000 OZF
TAP MAGIC CUTTING FLUID	9150001759154	17781 A	6368		12.000 OZF
TAP MAGIC ALUMINUM CUTTING F	915000X773777	17781 A	12130		12.000 OZF

BUILDING: 609

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
ISOPROPYL ALCOHOL, ANHYDROUS	6505002998095	72190 A	8480		3.950 GL
BLUE GIANT NON-BUTYL DEGREAS	685001X424811	OLDP3 A	13224		3410.000 GL
MIL-T-81772A (AS) THINNER, A	8010001818079	33333 A	11349		13.900 GL
PRIMER, EPOXY CIG, CORR INHI	8010011879820	61196 A	11354		20.000 GL
383 BROWN ZENTHANE, MIL-C-53	8010012297545	09225 A	11346		10.000 GL
383GREEN ZENTHANE, MIL-C-5303	8010012297547	09225 A	11986		30.000 GL
728-011 PRIMER (WASH) PRETRE	8030001658577	09869 A	11367		5.000 GL

BUILDING: 612

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
PM1918	5610007825556	00933 A	1355		46.600 GL
ISOPROPYL ALCOHOL, ANHYDROUS	6505002998095	72190 A	8480		10.000 GL
NITROGEN	6830005774623	18260 A	12072		7200.000 LBS
NITROGEN(7727-37-9)	6830005774623	58402 A	12109		300.000 LBS
PT-426/PT-428	8010000822439	06341 A	4168		26.400 GL
EPOXY COATING, WHITE 17925 C	8010000822439	5V430 A	13282		64.000 OZF
MIL-T-81772A (AS) THINNER, A	8010001818079	33333 A	11349		169.600 GL
THINNER-AIRCRAFT COATING, PO	8010001818079	5W216 A	12027		278.750 GL
IS-143, POLYURETHANE THINNER,	8010002801751	33461 A	1068		1076.130 GL
GRAY 16492; 742-624; ENAMEL AL	8010005587026	09869 A	12154		17.000 GL
THINNER	8010005587026	9V846 A	9141		5.000 GL
37038	8010006169143	33451 A	3548		9.000 GL
SO SURE, BLACK 37038, ID: 64	8010006169143	0FTT5 A	11042		32.000 OZF
SO-SURE WHITE PAINT, ENAMEL	8010007829356	0FTT5 C	11348		3.000 GL
PROLINE FINISHES/PL-120 ACRY	801000F005325	6K287 A	12345		5.000 GL
PAINT, HEAT RESISTING SAND #	801000X895602	09225 A	13144		32.000 OZF
PRIMER, EPOXY CIG, CORR INHI	8010011879820	61196 A	11354		179.750 GL
PRIMER, EPOXY, CORR INHIB, LE	8010011930517	61196 A	13137		32.000 GL
ALIPHATIC POLYISOCYANATE, 383	8010012297541	09225 A	13263		30.000 GL
705015; COATING, ALIPH. POLYUR.	8010012297541	61196 A	9773		25.000 GL
BLACK 37030 ZENTHANE, MIL-C5	8010012297542	09225 A	11063		91.000 GL
ALIPHATIC POLYISOCYANATE, 383	8010012297544	09225 A	8237		36.250 GL
383 BROWN ZENTHANE, MIL-C-53	8010012297545	09225 A	11346		30.000 GL
383GREEN ZENTHANE, MIL-C-5303	8010012297547	09225 A	11986		619.000 GL
ALIPHATIC POLYISOCYANATE, 383	8010012299561	09225 A	6382		98.000 GL
383 GREEN ZENTHANE, MIL-C-530	8010012328514	61196 A	12101		410.300 GL
705020; COATING, ALIPH. POLYUR.	8010012330060	61196 A	12144		55.000 GL
MIL-P-14105 383 GREEN: 34094	8010012354164	32268 XX	12190		12.000 GL
PAINT LIQUID	8010012354166	32268	12102		2.500 GL
TAN 686 ZENTHANE MIL-C-53039	8010012763640	09225 B	11061		205.000 GL
MIL-C-22750 "W" PART A	8010013138711	81522 A	12150		27.000 GL
728-011 PRIMER (WASH) PRETRE	8030001658577	09869 A	11367		5.000 GL
728-010-PRIMER, FORMULA 1178;	8030002812726	09869 A	12159		12.000 GL
PRIMER-WASH PRETREATMENT FOR	8030002812726	61196 A	11358		5.250 GL
XL5-G(RUST PREVENTIVE)	8030011273683	55246 A	13133		440.000 GL
LUBRICATING OIL 60, 50S-30, E	9150001896729	61808 A	6362		4.000 GL

BUILDING: 613

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
SP-1100(603 BLUE LAYOUT FLUI	6850010150834	60777 A	13019		7.500 LBS
SOLVENT DEGREASER(AEROSOL)	6850010615493	94058 A	12970		1.188 LBS
LAYOUT FLUID REMOVER ; 606	801000102XXXX	09800 A	12318		3.788 LBS

SO-SURE GRAY 36306(104-380)(
TURPENTINE
WHITE 37875
C-100
WD-40
ANTI-SPATTER
3M BRAND GEN TRIM ADHESIVE,PT
TAP MAGIC CUTTING FLUID
WD-40 SPRAY CANS 12 OZ.

BUILDING: 615

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
PM1918	5610007825556	00933	A	1355	21.000 GL
ISOPROPYL ALCOHOL, ANHYDROUS	650500298095	72190	A	8480	104.600 GL
NITROGEN	6830005774623	18260	A	12072	11150.000 LBS
NITROGEN(7727-37-9)	6830005774623	58402	A	12109	308.000 LBS
MIL-T-81772A (AS) THINNER, A	8010001818079	33333	A	11349	1004.600 GL
THINNER-AIRCRAFT COATING, PO	8010001818079	54216	A	12027	500.000 LBS
IS-S-143, POLYURETHANE THINNER,	8010002801751	33461	A	1068	1045.000 GL
BLACK 17038	8010002906158	09869	A	3882	13.000 GL
3737038	8010006169143	33451	A	3548	3.625 GL
SO-SURE WHITE PAINT, ENAMEL	8010007829356	0FTT5	C	11348	1.250 GL
ALUMINUM PAINT	8010008152692	34346	A	4868	2.000 GL
PROLINE FINISHES/PL-120 ACRY	801000F005325	6K287	A	12345	165.000 GL
STRIP-SOL	801000X827667	STRSO	A	12098	5.875 GL
PAINT, HEAT RESISTING SAND #	801000X95602	09225	A	13144	2.000 GL
ACRYLIC SEMI-GLOSS, ACCENT BAS	801000X904746	XXXXX	A	13430	20.000 GL
PRIMER, EPOXY CIG, CORR INHI	8010011879820	61196	A	11354	720.000 GL
BLACK 37030 ZENTHANE, MIL-C5	8010012297542	09225	A	11063	225.000 GL
383 BROWN ZENTHANE, MIL-C-53	8010012297545	09225	A	11346	35.000 GL
383 GREEN ZENTHANE, MIL-C-5303	8010012297547	09225	A	11986	505.000 GL
383 GREEN ZENTHANE, MIL-C-530	8010012328514	12101		1412.950 GL	
705020; COATING, ALIPH. POLYUR. 1	8010012330060	61196	A	12144	440.000 GL
705015; COATING, ALIPH. POLYUR. 1	8010012331568	61196	A	12145	330.000 GL
MIL-P-14105 383 GREEN: 34094	8010012354164	32268	XX	12190	9.000 GL
PAINT LIQUID	8010012354166	32268		12102	38.200 GL
TAN 686 ZENTHANE MIL-C-53039	8010012763640	09225	B	11061	130.000 GL
MIL-C-22750 "E" PART A	8010013138711	81522	A	12150	35.000 GL
728-011 PRIMER (WASH) PRETRE	8030001658577	09869	A	11367	120.000 GL
MIL-C-450	8030002905141	81348	A	2460	12.000 GL
PHILLYCLAD 300 RESIN(COLIVE)	Z0004	20420	A	12133	41.000 GL
PHILLYCLAD 300 HARDENER	Z0004	20420	B	12221	4.250 GL

BUILDING: 619

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
ALKYD ENAMEL, YELLOW AEROSOL	010000793764	33451	A	1073	63.000 OZF
JET-START FAST FLASH FUEL, NO	2910006469727	50999	A	8411	96.000 OZF
QUICK START DIESEL STARTING	2910006469727	61112	A	3863	1.891 GL
00060 JET PAK UNIT, LAB NO:	4940008036444	80183	A	11382	26.000 OZF
CAT CEMENT 7M7260(BEF JAN 83	5330004792847	04963	A	12105	96.000 OZF
HIGH TACK SPRAY-A-GASKET/800	5330010386789	62377	A	11321	77.000 OZF
FOUGERA WHITE PETROLATUM LUB	6505001338025	23301	A	11103	48.000 OZF
ISOPROPYL ALCOHOL, ANHYDROUS	6505002998095	72190	A	8480	1.000 GL
ISOPROPYL ALCOHOL, ANHYDROUS	6810002865435	29700	A	12180	4.000 GL
SDA-3A, 190 PROOF DENATURANT	6810005437415	1F942	A	11484	12.815 GL
BENZOTIMATIC PROPANE CYLINDER	6830005843041	70785	A	3614	56.400 OZF
ANTIFREEZE/COOLANT JC-06	6850001817940	19630	A	11385	165.000 GL
HOTSHOT STARTING FLUID; #65-1	6850008237861	12625	A	2186	1.402 GL

RTV-108 ADHESIVE SEALANT	6850008807616	01139	A	6217	88.800 OZF
SOLVENT DEGREASER, FED SPEC Q	6850009415054	94058	A	11479	99.645 GL
DU-OL PENETRATING FLUID	6850009730991	01267	A	2610	30.000 OZF
CHISEL GASKET REMOVER (AEROS	6850000030007	05972	A	12140	3.656 GL
SPRAY STENCIL INK-BLACK	7510004697910	30733	A	11961	115.500 OZF
WINDSHIELD CLEANER	7930009262275	23894	A	13253	2.000 GL
20109, PRIMER, BROWN OXIDE P	59986	A	2294		133.142 GL
RED PRIMER	8010000675434	91794	A	4072	12.000 OZF
COR-ON	8010000675437	33451	A	4798	5.906 GL
DR076-CONCENTRATE	8010000793764	70506	A	4598	63.000 OZF
TT-L-50F GREEN 14062 LACQUER	8010001412951	33451	A	3661	105.000 OZF
LACQUER RED, X8431	8010001412952	07708	A	1069	21.000 OZF
SO-SURE LACQUER, SPRAY PAINT	8010001412952	58536	A	11515	3.117 GL
#17875 GLOSS WHITE LACQUER	8010002906983	25871	A	2181	4.394 GL
01770 OSHA GLOSS BLACK, 4590,	8010002906984	09800	A	2792	5.684 GL
LACQUER, CLEAR	8010005152487	33451	A	2432	126.000 OZF
KRYLON CRYSTAL CLEAR SPRAY 1	8010005152487	87187	A	3304	1.477 GL
YELLOW 13538	8010005272045	09869	A	1416	2.000 GL
ENAMEL ALKYD GLOSS BLACK 742	8010005272050	61196	B	11513	33.000 OZF
745-468, ALKYD, SEMI-GLOSS	8010005273197	09869	A	2024	1.000 GL
ENAMEL ALKYD SG GREEN 24533	8010005273197	61196	A	4551	22.000 OZF
37038	8010005825382	33451	A	1335	51.250 OZF
SO SURE LACQUER	8010005825382	81348	A	1014	1.121 GL
37038 FLAT BLACK, AEROSOL	8010005825382	08016	A	11518	42.000 OZF
ENAMEL, OLIVE DRAB, 14064	8010005843149	81348	A	2185	1.746 GL
SO SURE LACQUER, OLIVE DRAB	8010005843149	81348	A	4696	2.707 GL
TT-E-508C	8010006160009	55652	A	2185	21.000 OZF
37038	8010006169143	33451	A	3548	2.750 GL
TT-E-527, ENAMEL, ALKYD, LUSTE	8010006169144	56921	A	3700	33.000 OZF
SO SURE LACQUER, YELLOW 1353	8010007219744	81348	A	2879	42.000 OZF
ENAMEL, BLUE, 15102	8010007219746	07708	A	9074	3.299 GL
SO SURE LACQUER BLUE 15102	8010007219746	81348	A	2249	64.000 OZF
16187 GRAY	8010007219749	33333	A	4636	10.500 OZF
COLOR #16307, GRAY LACQUER	8010007219750	59986	A	3351	52.500 OZF
TT-P-1757 GREEN 34151 PRIMER	8010008998825	33451	A	1536	1.203 GL
STRIP-SOL	8010008998825	STRSO	A	12098	6.562 GL
TT-P-1952B TYI WHITE	8010010171512	33148	A	12143	11.000 OZF
271	8030001469833	05972	A	3901	17.581 OZF
MIL-T-83483	8030002433285	60115	A	3363	64.000 OZF
LED-PLATE NO. 250	8030002513980	84180	A	981	2.000 LBS
FORM-A-GASKET #2, MIL-S-4518	8030002523391	08028	A	4890	1.461 GL
MIL-C-450	8030002905141	81348	A	2460	7.000 GL
MIL-C-450C	8030002905141	86273	A	2560	3.000 GL
TECTYL 846 ANTI-CORROSIVE CM	8030005261605	33150	A	2604	12.000 OZF
ANTI-SIEZE COMPOUND	8030005975367	84180	A	4667	3.750 LBS
GASKET SEALING COMPOUND	8030006561426	33333	A	1945	16.000 OZF
FORM-A-GASKET 3	8030006561426	77247	A	4893	16.000 OZF
MIL-S-22473 GRADE C - SEALIN	8030008237917	05972	A	12106	8.000 OZF
WD-40 BULK LIQ, 1 GAL	8030008326949	09137	A	12040	2.086 GL
WD-40 SPRAY CANS 12 OZ	8030008387889	09137	A	3138	8.250 GL
SCOTCHAL BRAND EDGE SEALER 3	8030009369940	04963	A	4781	1.000 GL
WD-40	8030009381947	56921	A	2013	16.312 GL
LEAK LOCK	8030009996313	08589	A	254	1.723 GL
GASKET REMOVER	803000F001896	62377	A	11412	36.000 OZF
FORM-A-GASKET #1	803000F002229	62377	A	11489	121.000 OZF
HYLOMAR PL32 MEDIUM	803000F004284	33333	A	12164	10.581 LBS
SCOTCHAL EDGE SEALER, 3950	803000K073672	33150	A	13156	11.000 OZF
PS/T PART NO. 592 (PIPE SEALA	8030010540740	05972	A	12206	16.905 OZF
CORROSIVE PREVENTIVE COMPOUN	8030011346513	60833	A	11519	1.891 GL
WEATHERSTRIP AND GASKET ADHE	8040001092481	04963	A	11483	25.000 OZF
SPRAY ADHESIVE 74	8040001817761	76381	A	2043	12.000 OZF
RTV102 SILICONE SEALANT	8040002254548	01139	A	6411	2.534 GL
PSI-101 SILICONE SEALANT	8040002254548	0KN03	A	12974	20.600 OZF
R 991-T RUBBER ADHESIVE	8040002660856	03481	A	12925	32.000 OZF
C-111, ADHESIVE, RUBBER BASE	8040002681946	25670	A	4263	1.906 GL
101-S GASKET COMPOUND	8040006633745	3N611	A	11420	4.127 LBS

C-111,ADHESIVE, RUBBER BASE	8040002981946	25670 A	4263	4.000 OZF
N-1051 MM-A-1617 TYPE 2	804000644318	33150 A	4255	32.000 OZF
RTV-103 ADHESIVE SEALANT	804000858991	01139 A	11416	20.000 OZF
3M BRAND GEN TRIM ADHESIVE,PT	804000F000321	04963 A	11415	121.438 LBS
CATERPILLAR CEMENT #5H2471	8040010385043	76381 A	11128	1.195 GL
SILICONE LUBRICATING CMPD	9150008237860	4N258 A	5277	2.000 OZF
BUILDING: 647				
MATERIAL	NSN	CAGE	PNI	BARCODE NET USAGE
WD-40	8030009381947	56921 A	2013	48.000 OZF
LEAK LOCK	8030009996313	08589 A	254	3.000 OZF
BUILDING: 69				
MATERIAL	NSN	CAGE	PNI	BARCODE NET USAGE
WD-40	8030009381947	56921 A	2013	12.000 OZF
BUILDING: CMF				
MATERIAL	NSN	CAGE	PNI	BARCODE NET USAGE
1587 ROSIN FLUX	439000N001332	75297 A	12191	1.000 OZF
SUPERFLEX ULTRA BLUE SILICON	05972587-30	05972 A	13240	258.397 LBS
JET-START FAST FLASH FUEL,NO	2910006469727	50999 A	8411	18.000 OZF
QUICK START DIESEL STARTING	2910006469727	61112 A	3863	1.719 GL
ALLEN SOLDER PASTE	3439002554571	70279 A	3733	4.000 OZN
HOBART 10 AMS A5.1 CLASS E60	3439002622670	28835 A	201	12.000 OZF
AVIATION FORMGASKET #3;ITEM	5330004408959	05972 A	11320	16.000 OZF
CAT CEMENT 7M7260(BEF JAN 83	5330004792847	04963 A	12105	5.962 GL
HIGH TACK SPRAY-A-GASKET/800	5350010386789	62377 A	11321	3.948 GL
CLYPTAL 1201A RED INSULATING	5970007854098	18241 A	11371	16.705 GL
ISOPROPYL ALCOHOL,ANHYDROUS	6505002998095	72190 A	8480	10.000 GL
191 9042, FLEXICOLOR DEVELOPE	6750010107343	19139 C	4467	2.000 LBS
ETHYLENE GLYCOL,TECH	6810000064206	97984 A	1104	5.590 GL
NITRIC ACID(36-43 DEG BE/52-	6810002365670	11164 A	203	48.000 OZF
METHYL ETHYL KETONE	6810002812762	30253 A	1417	8.100 GL
ISOPROPYL ALCOHOL,ANHYDROUS	6810002865435	29700 A	12180	3.094 GL
CCA-412	6810004190634	70829 A	371	7.513 OZN
SDA-3A,190 PROOF DENATURED A	6810005437415	1F942 A	11484	32.000 OZF
OXYGEN-REFRIGERATED LIQUID.	6830001690800	6J576 A	11380	2100.000 LBS
ACETYLENE,ETHYNE	6830002646755	42568 XX	12313	900.000 LBS
NITROGEN	6830005774623	18260 A	12072	6601.008 LBS
BERNZOMATIC PROPANE CYLINDER	6830005843041	70785 A	3614	14.100 OZF
LEAK-TEC 16-OX (TYPE 1)	6850001862963	03530 A	1128	2.500 LBS
DUBL-CHEK DP-40 DYE PENETRAN	6850003577926	21405 A	12163	7.513 OZN
CLEANING & LUBRICATING COMPO	6850005709360	21267 A	2510	42.000 OZF
METAL CONDITIONER I	6850006561291	66378 A	2689	20.000 GL
D100 DEVELOPER & D350 DEVELO	6850007822740	21405 D	3371	1.409 LBS
KOT-NF/ZC-7 CLEANER (PRE 1/8	6850007822740	37676 B	2453	1.000 GL
HOTSHOT STARTING FLUID:#65-1	6850008237861	12625 A	2186	7.800 OZF
RTV-108 ADHESIVE SEALANT	6850008807616	01139 A	6217	8.000 OZN
G624 SILICONE GREASE COMPOUN	6850008807616	00426 A	11036	16.000 OZN
7100L	6850009415054	53984 A	1375	2.523 GL
SOLVENT DEGREASER,FED SPEC O	6850009415054	94058 A	11479	34.508 GL
N/A	6850009652082	23894 A	266	20.812 LBS
LAYOUT FLUID	6850009979663	16365 A	12226	12.000 OZF
RTV133 SILICONE RUBBER	685000F001517	01139 A	12561	8.000 OZF

RTV-103 ADHESIVE SEALANT	80400008658991	01139 A	11416	2.173 GL
RTV102	8040008779872	01139 A	1129	2.167 GL
PSI-601 SILICONE SEALANT PN	8040008779872	0KND3 A	1129	95.000 OZF
8074	8040009957080	76381 A	3423	3.984 GL
3M BRAND GEN TRIM ADHESIVE,PT	804000F000321	04963 A	11415	129.379 GL
HIGH TACK SUPER ADHESIVE	804000F000350	62377 A	11582	100.800 OZF
SUPER POXEE-EPOXY RESIN	804000N000084	17529 A	12170	4.808 LBS
CATERPILLAR CEMENT #5H2471	8040010385043	76381 A	11128	3.813 GL
WOLF'S HEAD SPECIAL DUTY SER	9150001889862	01326 A	5113	312.840 GL
WOLF'S HEAD SPECIAL DUTY SER	9150001896729	01326 A	6097	789.690 GL
WOLF'S HEAD SPECIAL DUTY SERI	9150001912772	01326 A	5366	4444.770 GL
TECHNOLUBE FB-003 OR AM1 (PE	9150002234134	2F469 A	11390	4.000 GL
CUTTING OIL	9150002316699	2F436 A	2281	64.000 OZF
SE 860 0020	9150002463276	3V856 A	11492	150.000 GL
VVG-671E-1 LUBRICATING GREAS	9150002575370	1W074 A	11508	1.750 LBS
LUBRIPLATE "105"	9150003921670	9N579 A	12096	20.000 OZF
TERESTIC 32	9150003972855	29700 A	12347	110.000 GL
ROYCO 64	9150007542595	07950 A	5156	1.750 LBS
LUB COMPOUND DIMETHYLSILICON	9150008237860	09800 A	6251	1.172 GL
SILICONE 7	9150008237860	92381 A	5967	64.000 OZF
SHELL ROTELLA(R) OIL 10W	915000F007614	54527 A	12094	12.000 OZF
HDX ALL PURPOSE GEAR LUBE SA	9150010355394	01326 A	5020	591.360 GL
SNEPCO 201 LUBE, 85W/140	9150010355396	14392 A	6059	1320.000 GL
BRAKE FREE-CLEANER,LUB & PRE	9150010536688	07950 A	11485	4.000 GL
BRAKE FREE, SB-5	9150010546453	07950 A	11323	55.000 OZF
SBF 1001 (BRAKE FLUID)	9150011029455	01139 A	11395	12.000 GL
DOW CORNING Q2-1143 SILICONE	9150011029455	71984 A	11397	18.000 GL
BATAM S-830-RR	9150011977691	60226 A	11506	165.000 GL
SAFETY SOLVENT AEROSOL	0TC238A183	BR00Y A	12131	4.219 GL
SOLVENT DEGREASER,FED SPEC O	68500009415054	94058 A	11479	3.185 GL
BUILDING: 619.				
MATERIAL	NSN	CAGE	PNI	BARCODE NET USAGE
SPRAY STENCIL INK-BLACK	7510004697910	30133 A	11961	10.500 OZF
20109, PRIMER, BROWN OXIDE P	8010000675434	59986 A	2294	22.000 OZF
DRO76-CONCENTRATE	8010000793764	70506 A	4598	10.500 OZF
HYLOWAR PL32 MEDIUM	803000F004284	33333 A	12164	7.054 OZN
BUILDING: 639				
MATERIAL	NSN	CAGE	PNI	BARCODE NET USAGE
MIL-R-19907C,PART A PASTE RE	2090003726064	19092 A	12968	91.620 OZF
HEAT FENCE	3439012664557	55278 A	12965	12.000 OZF
O-E-760,ALCOHOL DENATURED,GR	6810005437415	82925 A	2191	64.000 OZF
OXYGEN-REFRIGERATED LIQUID.	6830001690800	6J576 A	11380	2700.165 LBS
ARGON	6830002818808	18260 A	11381	414.000 LBS
GLASS CLEANER LIQUID	79300066646910	81348 A	6642	60.000 OZF
SIMPLE GREEN (OIL DISPERSANT	793000F004191	SUNMA A	12062	2.250 GL
ALL STAR STRIP ALL	793000N001319	33338 A	12971	33.000 OZF
20109, PRIMER, BROWN OXIDE P	8010000675434	59986 A	2294	2.578 GL
MAR-GLASS	801000X414798	10054 A	12053	10.000 GL
BODY LIGHT	801000X881303	10054 A	890325	31.000 GL
SEALING COMPOUND	803000095023	83574 A	2038	16.250 GL
SEALING COMPOUND	8030005798453	04963 A	815	1.000 GL
WD-40 BULK LIQ, 1 GAL	80300083286949	09137 A	12040	33.150 LBS
WD-40 SPRAY CANS	8030008387789	31285 A	12005	36.000 OZF
WD-40	8030009381947	56921 A	2013	68.000 OZF
CORROSIVE PREVENTIVE COMPOUN	8030011346513	60833 A	11519	0.034 OZF
N-1051 MM-A-1617 TYPE 2 ADH	80400002904301	31711 A	582	20.000 GL

PIPE SEALANT W/TEFLON	685000F002042	05972 A	12218	3.000 OZF	PSI-601 SILICONE SEALANT PN	8040008779872	OKND3 A	12043	1.756 GL
TARN-X, SILVER TARNISH REMOV	685000F004170	9X051 A	12341	36.000 OZF	RTV162	8040009381535	01139 A	11586	1.250 LBS
NJ-2 DURO NAVAL JELLY RUST D	685000F008768	08028 A	12166	64.000 OZF	HIGH TACK SUPER ADHESIVE	804000F000350	62377 A	11582	1.125 GL
CHISEL GASKET REMOVER (AEROS)	685000N003007	05972 A	12140	90.000 OZF	HYLOMAR PL32 HEAVY	804000X866123	33333 A	13283	1.102 LBS
SUPERFAX HIGH TEMP RED SILL	685000N009560	05972 A	12193	1.665 GL	CATERPILLAR CEMENT #5H2471	8040010385043	76381 A	11128	960.363 GL
SO-SURE STENCIL INK BLACK 37	7510004697910	0FT15 A	13265	3.000 GL	MIL-L-21260; 10M; QUAL #MP-3	9150001110208	58563 A	12147	660.000 GL
SPRAY STENCIL INK-BLACK	7510004697910	30133 A	11961	2.438 GL	GOLD MEDAL BREAK-IN OIL; COD	9150001110210	2X769 A	12147	2035.000 GL
MIO-MEGUIR'S PROFESSIONAL P	79300111335375	MEGUI A	11055	8.000 OZF	MIL-L-21260; GRADE 30; QUAL #M	9150001191593	58563 A	12195	10.150 OZF
201109, PRIMER, BROWN OXIDE P	8010000675434	59986 A	2294	1.593 GL	GREASE, BALL & ROLLER BEARIN	9150001491593	07950 A	6143	2.000 LBS
266C, COMPOUND THINNING LIQU	8010001605788	2E758 A	12012	220.750 GL	FULL FORCE ANTIFREEZE	9150001896729	2U130 A	2219	55.000 GL
THINNER DOPE& LACQUER-CELLUL	8010001605788	5W216 A	12012	120.000 GL	WOLFS HEAD SPECIAL DUTY SERI	9150001912772	1V074 A	6198	8.000 OZN
TT-T-266 D, THINNER, DOPE AN	8010001605788	81355 A	3474	10.000 GL	HYDRAULIC FLUID	9150001912772	01326 A	5366	55.000 GL
MIL-T-81772A (AS) THINNER, A	8010001818079	33333 A	11369	189.500 GL	CASTOR OIL AA STD	9150002234134	07950 A	8689	12.000 GL
THINNER, AIRCRAFT COATING, PO	8010001818079	54216 A	12027	5.000 GL	LUBRIPLATE "105"	9150002617455	5A188 A	12057	24.000 OZF
03-BK-28 BASE, BLACK 17038, PO	8010001818276	33461 A	834	64.000 OZF	LUB COMPOUND DIMETHYLSILICON	9150003921670	9N579 A	12096	21.044 LBS
MIL-T-81772A AIRCRAFT THINNE	8010002801751	4N760 A	8235	288.520 LBS	MOPAR AUTOMATIC TRANSMISSION	9150008237860	09800 A	6251	16.000 OZF
BLACK 17038	8010002906158	09869 A	3882	15.000 GL	IMPERIAL 2075TH, QUAL #634-D-3	9150008431636	58563 A	1013	72.000 OZF
01770 OSHA GLOSS BLACK, 4590	8010002906984	09800 A	2792	12.000 OZF	HDX ALL PURPOSE GEAR LUBE SA	9150010353394	01326 A	5020	55.000 GL
DEFTHANE	8010005504234	33461 B	1364	5.000 GL	BRAKE FREE-CLEANER, LUB & PRE	9150010536688	07950 A	11485	1.023 GL
RED #11105	80100056167486	09869 A	2311	1.559 GL	BRAKE FREE SB-5	9150010546453	07950 A	11323	64.000 OZF
37038	8010006169143	33451 A	11348	12.000 OZF	SBF 1001 (BRAKE FLUID)	9150011029455	01139 A	11395	5.000 GL
SO-SURE WHITE PAINT, ENAMEL	8010007829356	0FT15 C	11348	26.500 OZF	MC-2524/MC-2735/MC-2786/MC27	9150011524119	58563 A	2012	427.790 GL
TT-P-1757 GREEN 34151 PRIMER	8010008998825	33451 A	12153	8.703 GL	DYKEM LAYOUT BLACK DXX-324	981480XX324	98148 A	13311	48.000 OZF
PRIMER COATING SYN F/BRAKE D	8010009436694	61196 A	11354	135.000 GL	FAST DRY SAFETY SOLVENT	A-403X	XXXXX A	939042	16.000 OZF
STRIP-SOL	8010009436694	09225 A	13263	23.000 GL	DYKEM LAYOUT RED DXX-290	LAYOUT DYE RED	98148 A	13284	
PRIMER, EPOXY CIG, CORR INHI	8010011879820	61196 A	9773	5.000 GL					
ALIPHATIC POLYSILOXANATE 383	8010012297541	09225 A	11063	40.000 GL					
705015-COATING, ALIPH. POLYUR.	8010012297541	61196 A	11063	30.000 GL					
BLACK 37030 ZENTHANE, MIL-C-53	8010012297542	09225 A	11346	610.000 GL					
383 BROWN ZENTHANE, MIL-C-53	8010012297545	09225 A	11986	12.000 GL					
383GREEN ZENTHANE MIL-C-5303	8010012297547	09225 A	6382	142.000 GL					
ALIPHATIC POLYSILOXANATE, 383	8010012299561	09225 A	12190	16.000 OZF					
MIL-P-14105 383 GREEN: 34094	8010012354164	32268 XX	1905	10.140 OZN					
CV#83, GRADE	8030000812330	05972 A	1645	38.102 OZF					
TB 1361(A), RED, GRADE A	8030000812330	81349 A	6465	12.453 OZF					
LOCTITE GRADE A ANAEROBIC AD	8030000812339	05972 A	1142	6.188 LBS					
GRADE AA, GREEN	8030000812340	08059 A	1734	5.000 GL					
FORM-A-GASKET #2, MIL-S-4518	803000252331	08028 A	4890	80.000 OZF					
1178 RESIN COMP PT-A	8030002812726	80124 A	11364	132.200 LBS					
ANTI-SIEZE COMPOUND	8030005975367	84180 A	4667	3.281 GL					
WD-40 BULK LIQ, 1 GAL	8030008326949	09137 A	12040	1.175 LBS					
WD-40 SPRAY CANS 12 OZ	8030008387789	09137 A	3138	5.940 LBS					
DOW CORNING 730RTV FLUOROSIL	8030008434605	71984 A	4021	7.656 GL					
SCOTCHAL BRAND EDGE SEALER 3	8030009369940	04963 A	4781	12.375 LBS					
WD-40	8030009381947	56921 A	2013	8.000 OZF					
LEAK LOCK	8030009996313	08589 A	254	1.287 LBS					
80023 SILICONE FORM-A-GASKET	803000F000364	35933 A	13247	1531.858 LBS					
DAP ACRYLIC LATEX CAULK W/ST	803000F001359	90300 A	11985	67.012 OZF					
SUPERFLEX ULTRA BLUE, SILICO	803000F003832	05972 A	12141	7.200 LBS					
HYLOMAR PL32 MEDIUM	803000F004284	33333 A	12164	6.000 OZF					
GE012 SILICONE RUBBER CAULK	803000F005589	01139 A	12541	3.453 GL					
RTV BLUE SILICONE FORMGASKET	803000N000591	35933 A	12220	12.543 OZN					
PERMA-LOC HM 115	8030010251692	61078 A	12167	49.325 LBS					
PS/T PART NO.592 (PIPE SEALA	8030010540740	05972 A	12206	24.000 OZF					
PERMA-LOK LH050	8030010540740	85091 A	12212	10.300 OZN					
GOODWRENCH CLEAR RTV SILICON	8030012065823	11862 A	12184	1.625 GL					
CATALYST 24LV, PART-D	8040000428256	04552 D	2040	3.354 LBS					
RTV189	8040001449774	01139 A	11419	28.142 LBS					
3M SUPER 74 FOAMFAST ADHESIV	8040001817761	04963 A	2340	126.371 GL					
PLIOBOND 20	8040002009190	34897 A	11414	2.500 LBS					
RTV102 SILICONE SEALANT	8040002254548	01139 A	6411	19.956 LBS					
RTV106 ADHESIVE/SEALANT	8040002696253	01139 A	11558	2.800 OZN					
SCOTCHGrip 1357 ADHESIVE (H1	8040002738717	04963 A	3216						
C-111 ADHESIVE, RUBBER BASE	8040002981946	25670 A	4263						
RTV-103 ADHESIVE SEALANT	8040008658991	01139 A	11416						
RTV102	8040008779872	01139 A	11129						

BUILDING: M0609-01

MATERIAL	NSN	CAGE	PNI	BARCODE	NET USAGE
ISOPROPYL ALCOHOL	6810002865435	86511 A	4123		10.000 GL
NITROGEN(7727-37-9)	6830005774623	58402 A	12109		3750.019 LBS
MIL-T-81772A (AS) THINNER, A	8010001818079	33333 A	11349		70.000 GL
HEAT RESISTANT BLACK, 4279	801000N006099	08882 A	13351		15.000 GL
PRIMER, EPOXY CIG, CORR INHI	8010011879820	61196 A	11354		30.000 GL
383GREEN ZENTHANE, MIL-C-5303	8010012297547	09225 A	11986		10.000 GL



APPENDIX B

RESULTS OF FEDERAL DATABASE SEARCH

EPA REGION VIII

ZIP CODE 84074

CERCLIS PRINTOUT

KEY TO ABBREVIATIONS USED ON CERCLIS SITE/EVENT LISTING (L-8)

REMEDIAL ACTIVITIES (ALL LEADS)

CO	COMBINED RI/FS
CR	REMEDIAL COMMUNITY RELATIONS
CT	COMMUNITY RELATIONS TECHNICAL ASSISTANCE
DA	DESIGN ASSISTANCE
EO	ENFORCEMENT DECISION DOCUMENT (EDD)
ER	EXPEDITED RESPONSE ACTION
FP	FORWARD PLANNING ACTIVITY (FOR HISTORICAL PURPOSES ONLY)
FS	FEASIBILITY STUDY
IM	INITIAL REMEDIAL MEASURE (FOR HISTORICAL PURPOSES ONLY)
LR	LONG-TERM RESPONSE
NA	NO ALTERNATIVE ACTION (NAA)
ND	NPL DELETION PROCESS
OM	OPERATIONS AND MAINTENANCE
PD	PUBLIC COMMENT ON DELETION PACKAGE
RA	REMEDIAL ACTION
RD	REMEDIAL DESIGN
RI	REMEDIAL INVESTIGATION (FOR HISTORICAL PURPOSES ONLY)
RM	RAMP - REMEDIAL ACTION MASTER PLAN (FOR HISTORICAL PURPOSES ONLY)
RO	RECORD OF DECISION (ROD) SIGNED
TG	COMMUNITY RELATIONS TECHNICAL ASSISTANCE GRANTS
TS	REMEDY EVALUATION
WP	RI/FS WORKPLAN APPROVED BY HEADQUARTERS

SITE/INCIDENT EVALUATION/DISPOSITION

DS	DISCOVERY
ES	LISTING SITE INSPECTION
HR	FINAL HAZARD RANKING DETERMINED
NF	FINAL LISTING ON NPL
NP	PROPOSAL TO NPL
NR	REMOVED FROM PROPOSED NPL
PA	PRELIMINARY ASSESSMENT
SE	SITE ACCESS
SI	SCREENING SITE INSPECTION

OTHER EVENTS

AR	ADMINISTRATIVE RECORD
AS	AERIAL SURVEY
ED	ENDANGERMENT ASSESSMENT
EV	EVACUATION STATE/LOCAL
GS	GEOPHYSICAL SUPPORT/MAPPING
HA	HEALTH ASSESSMENT
MA	MANAGEMENT ASSISTANCE
OH	OTHER EVENT (SPECIFY)
OS	OVERSIGHT OF STATE BY FUND
TA	TECHNICAL ASSISTANCE
TO	TOPOGRAPHICAL MAPPING
TR	TEMPORARY RELOCATION

REMOVAL ACTIVITIES (ALL LEADS)

IR	IMMEDIATE REMOVAL
PR	PLANNED REMOVAL
RC	REMOVAL COMMUNITY RELATIONS
RS	REMOVAL INVESTIGATION AT NPL SITES
RV	REMOVAL ACTION
UR	UNDERGROUND STORAGE TANK REMOVAL

SELECTION: ** SPECIAL **
 SEQUENCE: SITE NAME

EVENTS: ALL

EPA ID NO.	SITE NAME STREET CITY COUNTY CODE AND NAME	STATE ZIP CONG DIST.	OPRBL UNIT	EVENT TYPE	EVENT QUAL	ACTUAL START DATE	ACTUAL COMPL DATE	CURRENT EVENT LEAD
UTD980959332	AMER. CONSOLIDATED MINING CLIFTON SITE SE OF MONTEZUMA PK/NR CLIFTON CLIFTON 045 TOOELE	UT 84074	00	DS1 PA1	NFA		03/18/85 05/18/87	EPA (FUND) EPA (FUND)
UTD093120921	ANACONDA COPPER CO - CARR FORK OPER 5 MI SE OF TOOELE TOOELE 045 TOOELE	UT 84074	00	DS1 PA1 SI1	NFA		10/01/84 03/01/84 12/01/84 09/04/84	EPA (FUND) EPA (FUND) STATE (FUND) EPA (FUND)
UTD980960082	BLACKHAWK RESIN AND CHEMICAL CO. P.O. BOX 383 (NR TOOELE ARMY DPT) BAUER 045 TOOELE	UT 84074	00	DS1 PA1 SI1			11/01/79 11/28/79 03/12/91	EPA (FUND) EPA (FUND) EPA (FUND)
UT1141193002	BLM - MERCUR CANUON OUTWASH HIGHWAY 73, EAST OF TOOELE ARM TOOELE 045 TOOELE	UT 84074	00	DS1 PA1 SI1	NFA NFA		09/27/91 09/21/93 09/21/93	FED. FAC. FED. FAC. FED. FAC.
UTD070020110	HERCULES INC/TEK01 TEST RANGE SKULL VLY GOSHUTE RSRVTN 3MI W TOOELE 045 TOOELE	UT 84074	00	DS1 PA1 PA2 PA3	NFA NFA		08/01/80 10/01/87 08/31/87 07/06/92	EPA (FUND) STATE (FUND) STATE (FUND) EPA (FUND)
UTD000710772	MICRONUTRIENT INTL INC 1 MI E HWY 36, BATES CANYON RD ERDA 045 TOOELE	UT 84074	00	RV1 RV2 DS1 PA1 SI1 AR1		01/03/86 05/20/91	03/03/86 04/15/92 08/01/80 11/21/84 03/01/83 10/22/90	RESP. PARTY RESP. PARTY EPA (FUND) EPA (FUND) EPA (FUND) EPA (FUND)
UTD980635155	STANBURY ISLAND ACID DUMP STANBURY IS-21 MI NW OF GRANTSVILLE 045 TOOELE	UT 84074	00	DS1 PA1 SI1 SI2	NFA		06/01/81 06/30/86 06/30/86 09/16/92	EPA (FUND) EPA (FUND) EPA (FUND) EPA (FUND)

RUN DATE: 12/01/93 16:44:53
 CERCLIS DATA BASE DATE: 11/30/93
 CERCLIS DATA BASE TIME: 17:20:25
 VERSION 3.00

SELECTION: ** SPECIAL **
 SEQUENCE: SITE NAME

EVENTS: ALL

EPA ID NO.	SITE NAME STREET CITY COUNTY CODE AND NAME	STATE CONG DIST.	ZIP
UT3213820894	TOOELE ARMY DEPOT (NORTH AREA) 3 MI S OF TOOELE ON HWY 36 TOOELE 045 TOOELE	UT	84074
UT5210090002	TOOELE ARMY DEPOT - SOUTH AREA STATE HIGHWAY 36 TOOELE 045 TOOELE	UT	84074

** PROD VERSION **
 U.S. EPA SUPERFUND PROGRAM
 ** CERCLIS **
 LIST-8: SITE/EVENT LISTING

PAGE: 2
 CERHELP DATA BASE DATE: N/A
 CERHELP DATA BASE TIME: N/A

ACTUAL START DATE	ACTUAL COMPL DATE	CURRENT EVENT LEAD
08/01/84	08/01/84	FED. FAC.
01/01/84	01/01/84	FED. FAC.
10/15/84	10/15/84	FED. FAC.
08/29/90	08/29/90	FED. FAC.
02/27/90	02/27/90	FED. FAC.
10/01/91	10/01/91	STATE(FUND)
12/31/91	12/31/91	STATE(FUND)
02/21/91	02/21/91	FED. FAC.
07/15/93	07/15/93	EPA (FUND)
09/16/91	09/16/91	FED. FAC.
01/02/92	01/02/92	FED. FAC.
07/15/93	07/15/93	FED. FAC.
03/19/93	03/19/93	FED. FAC.
01/02/92	01/02/92	FED. FAC.
04/12/93	04/12/93	FED. FAC.
12/05/84	12/05/84	FED. FAC.
01/05/85	01/05/85	FED. FAC.

EPA REGION VIII
RCRIS NOTIFIERS LIST

REPORT DATE 12/03/93

RCRIS NOTIFIERS LIST

GEN = GENERATOR: 1=LOG 2=SQG 3=VSQG
 TRN = TRANSPORT 1SD: S=STORE 1=INCIN D=DISPOSE
 B/B = BURNER/BLENDER (USED OIL/HAZ WASTE FUEL)

PAGE 1

FACILITY ID PHONE NUM	FACILITY NAME CONTACT	MAIL STREET LOCATION STREET	MAIL CITY LOCATION CITY	ST WZIP ST LZIP	G T I B E R S / N N D B	COUNTY DATE NOTIFIED
UTD093120921 8018821431	ANACONDA MINERALS CO (CARR FORK GLENN, M. EVRICK OPER ENV	RFD #1 BOX 79 5 MILES SE TOOELE UTAH	TOOELE TOOELE	UT 84074 UT 84074	2	TOOELE 08/18/80
UTD981542079 8018825618	BILL ANSELM INC JOE, HOWELAR, PTS. MGR.	44 E. 1ST N. 44 E. 1ST N.	TOOELE TOOELE	UT 84074 UT 84074	2	TOOELE 09/29/86
UTD988077616 8018821273	BOB'S GARAGE & DIESEL INC. JOHNSON, BOB, PRESIDENT	1685 NORTH PROGRESS WAY 1685 NORTH PROGRESS WAY	TOOELE TOOELE	UT 84074 UT 84074	2	TOOELE 10/01/92
UTD988070066 8018823942	BROKEN ARROW ENVIRONMENTAL INC BUNN, STEPHEN-G, PRESIDENT	PO BOX 580 165 SOUTH MAIN	TOOELE TOOELE	UT 84074 UT 84074	X	TOOELE 01/08/91
UTD988071049 8012505298	CHEVRON USA - 72862 RODNEY THOMP THOMPSON, RODNEY, STATION DEALER	8793 NORTH HWY 40 8793 NORTH HWY 40	LAKEPOINT LAKEPOINT	UT 84074 UT 84074	2	TOOELE 04/22/91
UTD988070157 8018823718	CONDISCO WHITE, ELLIS, GENERAL MANAGER	PO BOX 569 995 NORTH MAIN ST	TOOELE TOOELE	UT 84074 UT 84074	X	TOOELE 01/24/91
UTD981543036 8018826150	EKONOMY CLEANERS KROFF, RICHARD, MGR.	132 NORTH MAIN 132 NORTH MAIN	TOOELE TOOELE	UT 84074 UT 84074	1	TOOELE 10/02/86
UTD988074324 8013330802	ENVIRONICS INC HUMKE, LEROY, MANAGER	PO BOX 668 1275 NORTH MAIN	TOOELE TOOELE	UT 84074 UT 84074	X	TOOELE 01/06/92
UTD980718332 8012684447	GETTY MINERAL RES CO-MERCUR MINE EURICK, GLENN ENV/HLT	P O BOX 838 MERCUR CANYON-SEC 5.7 T6S	TOOELE TOOELE	UT 84074 UT 84074	2	TOOELE 09/09/83
UTD980961510 8013221133	GLEN'S EXCAVATING & GRADING INC. HIGGINS, LEON, EQUIP. MGR.	1830 W HWY 112 P.O. BOX 4 1830 WEST HIGHWAY 112	TOOELE TOOELE	UT 84074 UT 84074	3 X	TOOELE 06/30/86
UT2210090021 8012515480	HERCULES BACCHUS - TOOELE ARMY D C.V., CHACHAS, MANAGER	HERCULES BACCHUS WORKS DO ROUTE 38	MAGNA TOOELE	UT 84044 UT 84074	1	TOOELE 05/04/87
UTD980866721 8013644600	IRECO INC TAYLOR, ROBERT, G.	SEVENTH FLOOR KENNECOTT B 6 MI S OF UT 73 AT 5 MILE FAIRFIELD	TOOELE TOOELE	UT 84133 UT 84074	X S	TOOELE 07/07/82
UTD980954796 8018820103	MCFARLAND AND HULLINGER HULLINGER, SIDNEY, PARTNER	P O BOX 238 915 N MAIN ST	TOOELE TOOELE	UT 84074 UT 84074	X	TOOELE 08/21/85
UTD988078127 8018825263	MTA AUTO BODY NORWOOD, MARK, OWNER	635 WEST MAIN 635 NORTH MAIN	TOOELE TOOELE	UT 84074 UT 84074	2 X	TOOELE 01/15/93
UTD102570249 8018822963	NU CLEANERS GEORGE, CLOYD, OWNER	53 EAST VINE 53 EAST VINE	TOOELE TOOELE	UT 84074 UT 84074	3	TOOELE 10/02/86
UTD000000045 8012020989	PLEASANT GROVE AUTOMOTIVE SHOP TUCKER, JEFF, ENV. ENG.	995 SOUTH MAIN STREET 1830 WEST HIGHWAY 112	PLEASANT GROVE TOOELE	UT 84062 UT 84074	1	TOOELE 09/05/93
UTD980959092 8018826225	REF. PREC METALS, AFF NET ENG CO CLARK, D., RICHARD ENG.	1325 FLINDERS STREET 1325 FLINDERS STREET	TOOELE TOOELE	UT 84074 UT 84074	1	TOOELE 03/15/86

REPORT DATE 12/03/93

PAGE 2

RCRIS NOTIFIERS LIST

GEN - GENERATOR: 1-LOG 2-SQG 3-USQG
TRN - TRANSPORT: 1-INCIN 2-DISPOSE
B/B - BURNER/BLENDER (USED OIL/HAZ WASTE FUEL)

FACILITY ID PHONE NUM	FACILITY NAME CONTACT	MAIL STREET LOCATION STREET	MAIL CITY LOCATION CITY	ST MZIP ST LZIP	G T T B E R S / N N D B	COUNTY DATE NOTIFIED
UTD089326805 8012505833	SALT LAKE CITY 76 AUTO TRUCK PARKER, JACK, VICE PRES.	I-80 LAKEPOINT ROAD I-80 LAKEPOINT ROAD	TOOELE TOOELE	UT 84074 UT 84074	2	TOOELE 03/23/88
UT3213820894 8018332891	TOOELE ARMY DEPOT (NORTH) FISHER, LARRY, ENV COORDINATOR	TOOELE ARMY DEPOT 3 MI S OF TOOELE ON HWY 3	TOOELE TOOELE	UT 84074 UT 84074	1 X SID	TOOELE 08/18/80
UT5210090002 8018332891	TOOELE ARMY DEPOT (SOUTH) LARRY, FISHER, ENV COORDINATOR	TOOELE ARMY DEPOT STATE HIGHWAY 36	TOOELE TOOELE	UT 84074 UT 84074	1 SI	TOOELE 08/24/81
UTD072961980 8018828133	TOOELE CITY CORPORATION DUNLAVY, PAT, RECORDER	90 NORTH MAIN 90 NORTH MAIN	TOOELE TOOELE	UT 84074 UT 84074	2	TOOELE 12/15/89
UTD094650249 8018825550	TOOELE CO HLTH & HUMAN SERVICE DALTON, GARY, DIR.	47 SOUTH MAIN STREET 47 SOUTH MAIN STREET	TOOELE TOOELE	UT 84074 UT 84074	2	TOOELE 06/16/86
UTD980635890 8012522000	USPCI LAKE POINT TERMINAL WILLIAMS, AL, WESTERN HUB MGR	8960 NORTH HIGHWAY 40 8960 NORTH HIGHWAY 40	LAKEPOINT LAKEPOINT	UT 84074 UT 84074	2	TOOELE 12/04/81
UTD988071833 8012522000	USPCI LEASED WAREHOUSE JOHNSON, KIMBALL, CONS COORD	8960 NORTH HWY 40 272 NORTH BROADWAY	LAKE POINT TOOELE	UT 84074 UT 84074	2	TOOELE 05/24/91

EPA REGION VIII

ZIP CODE 84074

FINDS LIST

PGM : FR2411P1
PAGE: 1

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INDEX SYSTEM
FACILITY INDEX RELATED SYSTEMS REPORT

12/02/83
17:51:38

REPORT SELECTION CRITERIA

Status : ACTIVE
ZIP Codes : 84074
Sort Sequence : FACILITY-ADDRESS FACILITY-NAME

PROGRAM OFFICE TABLE		System
Code	Acronym	
01	RCRIS	RESOURCE CONSERVATION RECOVERY ACT INFORMATION SYSTEM
02	PCS	PERMIT COMPLIANCE SYSTEM
03	AFS/AIRS	AIRS FACILITY SYSTEM
04	SSIS	SECTION SEVEN TRACKING SYSTEM
05	CERCLIS	COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND LIABILITY INFO SYSTEM
06	FTIS/NCDB	NATIONAL COMPLIANCE DATA BASE
07	DOCKET	ENFORCEMENT DOCKET SYSTEM
08	CONTR LIST	CONTRACTOR LISTING
09	CRIM DOCKE	CRIMINAL DOCKET
11	FFIS	FEDERAL FACILITY INFORMATION SYSTEM
13	CIVIS	CHEMICALS IN COMMERCE INFORMATION SYSTEM
14	STATE	STATE SYSTEMS
15	PADS	PCB HANDLER ACTIVITY DATA SYSTEM
17	TRIS	TOXIC CHEMICAL RELEASE INVENTORY SYSTEM
60	DUNS	DUN & BRADSTREET

PGM : FR2412P1
PAGE: 1

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INDEX SYSTEM
FACILITY INDEX RELATED SYSTEMS REPORT

12/02/93
17:51:44

Facility	System(s)	D88
UT000643841 CHEVRON USA INC TOOELE END OF VINE ST BY RR TOOELE, UT 84074	01	
UTD988076113 B & A ASSOCIATES HWY 36 TOOELE, UT 84074	03	
UT1141193002 BLM MERCUR CANYON OUTWASH HWY 73, EAST OF TOOELE ARMY DEPOT TOOELE, UT 84074	05	
UTD988076097 HILL BROS CHEMICAL I 80 RAWLEY EXIT TOOELE, UT 84074	03	
UTD988072658 APIUS I 80 W EXIT 56 ARAGONITE, UT 84074	03.06	
UTD089326805 SALT LAKE AUTO TRUCK PLAZA I-80 LAKEPOINT ROAD TOOELE, UT 84074	01	
UTD980718332 GETTY MINERAL RES CO-MERCUR MT MERCUR CANYON-SEC 5.7 T6S R3W TOOELE, UT 84074	01.02.07	
UTD981552912 LITTLE MOUNTAIN QUARRY NEAR THE CITY OF GIANTS TOOELE, UT 84074	01	
UTD991301748 USPCI GRASSY MOUNTAIN FACILITY AKA PPM I SEC 16: T 1 N: T 12 W TOOELE, UT 84074	01.03.07.15.17	

PGM : FR2412P1
PAGE: 2

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INDEX SYSTEM
FACILITY INDEX RELATED SYSTEMS REPORT

12/02/93
17:51:45

D88

Facility

System(s)

UTD982595795
USPCI CLASSEN CTR STE 400 S
SEC 36 T1S R12W
TOOELE, UT 84074

01.15

UTD980635155
STANSBURY ISLAND ACID DUMP
STANSBURY ISLAND
TOOELE, UT 84074

05

UTD989076916
SOLAR ALUMINUM TECH SERV
T1S R1W SEC 21
WENDOVER, UT 84074

03

UTD000710772
MICRONUTRIENT INTERNATIONAL IN
1 MI E HWY 36 BATES CANYON RD
TOOELE, UT 84074

01.05.07

UTD989074324
ENVIRONICS INC
1275 NORTH MAIN
TOOELE, UT 84074

01

UTD981543036
ECONOMY CLEANERS
132 NORTH MAIN
TOOELE, UT 84074

01

UTD980959092
REF PRECISION METALS/AAF METAL
1325 FLINDERS STREET
TOOELE, UT 84074

01.03

UTD989069318
AZKO SALT OF UTAH
1428 HARDY ROAD
LAKEPOINT, UT 84074

03.17

UTD089320527
LAKE POINT SALT COMPANY
1428 HARDY ROAD
LAKEPOINT, UT 84074

02

PGM : FR2412P1
PAGE : 3

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INDEX SYSTEM
FACILITY INDEX RELATED SYSTEMS REPORT

12/02/93
17:51:45

Facility	System(s)	D88
UTD988070066 BROKEN ARROW ENVIRONMENTAL INC 165 SOUTH MAIN TOOELE, UT 84074	01	60
UTD988077616 BOB S GARAGE & DIESEL INC 1685 N PROGRESS WAY TOOELE, UT 84074-9554	01	
UTD988069680 GLENS EXCAV & GRDNG 1830 W HIGHWAY 12 TOOELE, UT 84074-0000	03	60
UTD988061510 GLENS EXCAVATING & GRADING INC 1830 WEST HIGHWAY 112 TOOELE, UT 84074	01,03	60
UTD988072863 TOOELE BAPTIST 224 E 3RD N TOOELE, UT 84074	06	
UTD988071833 USPCI LEASED WAREHOUSE 272 N BROADWAY TOOELE, UT 84074	01	
UTD988076105 ENGLAND CONSTRUCTION INC 281 N MAIN TOOELE, UT 84074-1651	03	60
UTD988067294 U S POLLUTION CONTROL INC, GRAYBACK MOUN 3 MI E 7 MI N OF HWY 41 OFF I 80 KNOLLS, UT 84074	06,17	
UT3213820894 TOOELE ARMY DEPOT NORTH 3 MI S OF TOOELE ON HWY 36 TOOELE, UT 84074	01,03,05,07,11,15	

PGM : FR2412P1
PAGE: 4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INDEX SYSTEM
FACILITY INDEX RELATED SYSTEMS REPORT

12/02/93
17:51:46

Facility	System(s)	D&B
UTD988072872 PPM INC 337 S 400 W TOOELE, UT 84074	06	
UTD981542079 ANSELM, BILL INC. 44 EAST 1ST NORTH TOOELE, UT 84074	01	
UTD094650249 TOOELE HEALTH & HUMAN SERVICES 47 SOUTH MAIN STREET TOOELE, UT 84074	01	60
UTD093120821 ANACONDA MINERALS CO (CARR FOR 5 MILES SE TOOELE UTAH TOOELE, UT 84074	01.05	
UTD102570249 NU CLEANERS 53 EAST VINE TOOELE, UT 84074	01	60
UTD988076717 FASSTO FARMS INC 5763 N DROUBAY RD ERDA, UT 84074	03	
UTD988074647 PPM INC 5960 N HWY 40 LAKEPOINT, UT 84074	06	
UTD980666721 IRECO CHEMICALS 6 MI S OF UT 73 AT 5 MILE PASS TOOELE, UT 84074	01	
UTD072961980 TOOELE CITY CORP 600 WEST 500 NORTH TOOELE, UT 84074	01.02	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INDEX SYSTEM
FACILITY INDEX RELATED SYSTEMS REPORT

12/02/93
17:51:47

Facility	System(s)	D&B
UTD988078127 MTA AUTO BODY SHOP 635 N MAIN ST TOOELE, UT 84074-1609	01	60
UTD988072955 TOOELE SCHOOL DIST 30 68 WEST VINE TOOELE, UT 84074	06	60
UTD988066623 GLENS EXCAV & GRDNG 750 S MAIN TOOELE, UT 84074	03	
UTD980101778 LAKEPOINT IMPROV DIST 7723 NORTH CENTER LAKE POINT, UT 84074	02	
UTD988071049 CHEVRON USA 72862 ROONEY THOMPSON CHEVRO 8793 N HIGHWAY 40 LAKEPOINT, UT 84074	01	
UTD988066379 PPM MOBILE TRMT UNIT SIX 8960 N HWY 40 LAKEPOINT, UT 84074	06.15	
UTD980954796 MCFARLAND AND HULLINGER 915 NORTH MAIN STREET TOOELE, UT 84074	01.07.15	60
UTD988070157 CONDISCO 995 NORTH MAIN ST TOOELE, UT 84074	01.15	60

PGM : FR2412P1
PAGE: 6

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
FACILITY INDEX SYSTEM
FACILITY INDEX RELATED SYSTEMS REPORT

12/02/93
17:51:47

Facility

System(s)

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NUMBER OF RECORDS ON THIS REPORT = 44

EPA REGION VIII

ZIP CODE 84074

ERNS LIST

EMERGENCY RESPONSE NOTIFICATION SYSTEM
EPA REGION VIII FOIA(8) RIN-1631-93
DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH
NOTE: INITIAL NOTIFICATION ONLY -- UNVERIFIED DATA

Page: 1

Date Spilled: 09/12/80 ERNS Case #: 80378 County: TOOELE	Spiller: US ARMY Location: City/State: , UT	Material: POLYCHLORINATED BIPHENYLS Quantity: 6200 Pounds
Date Spilled: 01/16/81 ERNS Case #: 81021 County: TOOELE	Spiller: THOMSON TRUCKING INC Location: City/State: , UT	Material: GASOLINE Quantity: 9088 Gallons
Date Spilled: 07/23/81 ERNS Case #: 81318 County: TOOELE	Spiller: TOOELE ARMY DEPOT Location: BLDG #659, 667 & 677 City/State: TOOELE, UT	Material: POLYCHLORINATED BIPHENYLS Quantity: 1000 Pounds
Date Spilled: 09/03/81 ERNS Case #: 81390 County: TOOELE	Spiller: MT WHEELER BASIN POWER CO Location: PARTOUN SCHOOL City/State: TROUT CREEK, UT	Material: POLYCHLORINATED BIPHENYLS Quantity: 2 Pounds
Date Spilled: 03/05/82 ERNS Case #: 82129 County: TOOELE	Spiller: METRO OIL COMPANY Location: METRO OIL TRUCK STOP City/State: WENDOVER, UT	Material: NO. 2 FUEL Quantity: 3200 Gallons
Date Spilled: 10/13/82 ERNS Case #: 82485 County: TOOELE	Spiller: REIDER TRUCK LINES Location: I 80, UNION 76 TRUCK STOP City/State: TOOELE, UT	Material: XYLENE Quantity: 1 Pounds
Date Spilled: 12/06/82 ERNS Case #: 82570 County: TOOELE	Spiller: PACIFIC INTERMTN EXPRESS Location: 7 MI S OF TEMPLE City/State: TOOELE, UT	Material: NO. 2 FUEL Quantity: 50 Gallons
Date Spilled: 06/21/83 ERNS Case #: 83460 County: TOOELE	Spiller: SANTA CLARA CIRCUITS WEST INC Location: 2 MI WEST OF CLOVER City/State: CLOVER, UT	Material: AMMONIA Quantity: 0 Pounds
Date Spilled: 10/26/83 ERNS Case #: 83646 County: TOOELE	Spiller: MATLOCK Location: NORTH OF TOOELE UT City/State: MURCUR, UT	Material: SODIUM HYPOCHLORITE Quantity: 21 Pounds
Date Spilled: 03/04/84 ERNS Case #: 84164 County: TOOELE	Spiller: UNION PACIFIC RAILROAD Location: 89.0 RR MP City/State: BURMEISTER, UT	Material: AMMONIUM NITRATE Quantity: 0 Pounds
Date Spilled: 03/07/84 ERNS Case #: 84179 County: TOOELE	Spiller: UNION OIL CO Location: I-80 & LAKE POINT INTERCHANGE City/State: TOOELE, UT	Material: NO. 2 FUEL Quantity: 20000 Gallons
Date Spilled: 04/05/85 ERNS Case #: 85229 County: TOOELE	Spiller: GETTY MINING Location: 20 MI SE OF TOOLE City/State: , UT	Material: NO. 2 FUEL Quantity: 5000 Gallons
Date Spilled: 06/21/85 ERNS Case #: 85402 County: TOOELE	Spiller: JAY HILL Location: City/State: TOOELE, UT	Material: HWSO4/HVY METELS Quantity: 0 Pounds
Date Spilled: 08/19/85 ERNS Case #: 85556 County: TOOELE	Spiller: MATLAC TRUCKING Location: I-80 MP33 City/State: , UT	Material: MAGNESIUM CHLORIDE Quantity: 20000 Pounds
Date Spilled: 10/29/85 ERNS Case #: 85722 County: TOOELE	Spiller: W.S. HATCH CO Location: I80, EXIT 41, 5.5 MILES NORTH OF EXIT City/State: , UT	Material: KILN DUST-HAZ WASTE Quantity: 32000 Pounds
Date Spilled: 01/01/86 ERNS Case #: 86292 County: TOOELE	Spiller: U.S. ARMY Location: City/State: , UT	Material: NO. 2 FUEL Quantity: 6000 Gallons
Date Spilled: 07/20/86 ERNS Case #: 86464 County: TOOELE	Spiller: Location: IRRIGATION DITCH TO POND City/State: TOOLE CITY, UT	Material: WATER BASED ASPHALT EMULS Quantity: 500 Gallons

EMERGENCY RESPONSE NOTIFICATION SYSTEM
EPA REGION VIII FOIA(8) RIN-1631-93
DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH
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Page: 2

Date Spilled: 07/04/86 ERNS Case #: 86469 County: TOOELE	Spiller: APHIS CONTACT SRAY PLANE Location: City/State: GOLD HILL, UT	Material: MALATHION Quantity: 0 Pounds
Date Spilled: 07/21/86 ERNS Case #: 86501 County: TOOELE	Spiller: MATLACK TRUCKING Location: EASTBOUND LANE AT MILE MARKER #50 ON I-8 City/State: , UT	Material: MAGNESIUM CHLORIDE Quantity: 4200 Gallons
Date Spilled: 08/19/86 ERNS Case #: 86571 County: TOOELE	Spiller: STATELINE CASINO Location: ON UT/NEV BORDER City/State: WENDOVER, UT	Material: CARBON MONOXIDE Quantity: 0 Pounds
Date Spilled: 10/30/87 ERNS Case #: 87713 County: TOOELE	Spiller: U.S. ARMY Location: CARR FACILITY MATERIALS TEXTS DIRECTORA City/State: , UT	Material: PER CHLOROETHYLENE Quantity: 4 Gallons
Date Spilled: ERNS Case #: 88125 County: TOOELE	Spiller: BAIN DUMP/BLACK HAWK INC Location: BAUR TAILINGS/BLACKHAWK RESING City/State: BAUR, UT	Material: OTHER COAL DUST RESINS Quantity: Unknown
Date Spilled: 05/16/88 ERNS Case #: 88310 County: TOOELE	Spiller: HERCULES INC. BLACKHAWK RESIN) Location: W. OF HWY 36 5 MI S.W. OF TOOLE City/State: TOOLE, UT	Material: COAL DUST RESINS W/OTHER Quantity: 1 Pounds
Date Spilled: 06/17/88 ERNS Case #: 88390 County: TOOELE	Spiller: UNION PACIFIC R.R. Location: W. OF SLC-E. OF WINDOVER/MID OF DESERT City/State: CLIVE, UT	Material: UNKNOWN Quantity: 30 Gallons
Date Spilled: 06/27/88 ERNS Case #: 88440 County: TOOELE	Spiller: USPCI Location: TRAINTRACK NEAR HWY MIL POST 43 ON INTER City/State: CLIVE, UT	Material: OTHER (SPECIFY) Quantity: 100 Gallons
Date Spilled: 11/30/86 ERNS Case #: 88473 County: TOOLEE	Spiller: TOOLEE ARMY DEPOT(SD STE-ELE) Location: SOUTH AREA/BLDG # 535 City/State: TOOLEE, UT	Material: CHLORIDE SOLUTION Quantity: Unknown
Date Spilled: 07/20/88 ERNS Case #: 88504 County: TOOELE	Spiller: JOE BROWN TRUCKING/DALE BROWN Location: 10 MI N. OF CLIVE, UT. ON I-80 City/State: , UT	Material: PCB CONTAMINATED SOIL Quantity: 22 Tons
Date Spilled: 09/02/88 ERNS Case #: 88620 County: TOOELE	Spiller: MAT LACK Location: MURCUR / ROAD TO MINE SITE City/State: MURCUR, UT	Material: NITRIC ACID Quantity: 25 Gallons
Date Spilled: 11/15/88 ERNS Case #: 88787 County: TOOELE	Spiller: USPCI Location: 1 MI. S. OF CLIVE, MILE 49 I-80 City/State: WENDOVER, UT	Material: FLAMABLE SOLVENT-FOO12 CLASS Quantity: 10 Gallons
Date Spilled: 01/24/89 ERNS Case #: 89060 County: TOOELE	Spiller: DEPT. OF ARMY Location: DEPT. OF ARMY/DUGWAY PROVING GROUND City/State: DUGWAY, UT	Material: CLOROEHTELENE Quantity: 35 Gallons
Date Spilled: 11/16/89 ERNS Case #: 891118 County: TOOELE	Spiller: US P.C.I. INC Location: 8960 N. HWY 40 City/State: LAKEPOINT, UT	Material: AMMONIA Quantity: 150 Pounds
Date Spilled: 03/02/89 ERNS Case #: 89154 County: TOOELE	Spiller: TOOLE ARMY DEPT Location: TOOELE ARMY DEPOT City/State: , UT	Material: OIL - 750 PPM PCB'S Quantity: 16 Gallons
Date Spilled: 05/25/89 ERNS Case #: 89442 County: TOOELE	Spiller: U.S. POLLUTION CONTROL CO Location: W. UTAH DESERT/3 MI E & 4 MI N OF KNOLLS City/State: KNOLLS, UT	Material: ELECTRIC FURNACE DUST BAG Quantity: 20 Pounds
Date Spilled: 06/14/89 ERNS Case #: 89517 County: TOOELE	Spiller: U.S.P.C.I.-GRASSY MTN FACILITY Location: GRASS MTN FACILITY/3 MI E. 7 MI N. EX 41 City/State: CLYDE, UT	Material: MULTIPLE CHEMICALS, ACIDS ET Quantity: 10 Gallons

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EPA REGION VIII FOIA(8) RIN-1631-93
DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH
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Page: 3

Date Spilled: 07/12/89 ERNS Case #: 89587 County: TOOELE	Spiller: TOOELE ARMY DEPOT Location: 200 YRDS W. OF SO GATE OF HWY City/State: TOOELE, UT 84074-5000	Material: TRANSFORMER Quantity: 3 Gallons
Date Spilled: 08/24/89 ERNS Case #: 89857 County: TOOELE	Spiller: UNION PACIFIC Location: ON SIDING AT M.P. 747.5 City/State: WARNER, UT	Material: HYDROCHLORIC ACID Quantity: 100 Gallons
Date Spilled: 12/21/89 ERNS Case #: 90078 County: TOOELE	Spiller: US DEPT OF ARMY Location: TOOELE ARMY DEPOT City/State: TOOELE, UT 84074-	Material: CHROMIUM Quantity: 220 Gallons
Date Spilled: 03/22/90 ERNS Case #: 900212 County: TOOELE	Spiller: USAF Location: WENDOVER RANGE I-80 CROSSES APPROX 10 MI City/State: WENDOVER, UT	Material: HYDRAZINE Quantity: 12 Gallons
Date Spilled: 04/03/90 ERNS Case #: 900255 County: TOOELE	Spiller: US ARMY/TOOELE ARMY DEPOT Location: City/State: TOOELE, UT 84074-	Material: METHYL CHLORIDE Quantity: 0.10 Unknown
Date Spilled: 04/03/90 ERNS Case #: 900256 County: TOOELE	Spiller: USA - TOOELE ARMY DEPOT Location: TOOELE ARMY DEPOT City/State: TOOELE, UT	Material: TOLUENE .8 PPM Quantity: 0.10 Unknown
Date Spilled: 04/18/90 ERNS Case #: 900290 County: TOOELE	Spiller: US POLUTION CONTROL INC Location: HWY 80 7 MI SOUTH OF USPCI FACILITY City/State: , UT	Material: LEAD ACETATE Quantity: 1 Pounds
Date Spilled: 07/12/90 ERNS Case #: 900562 County: TOOELE	Spiller: US POLUTION CONTROL INC Location: 3 MI NORTH 7 MI EAST OF THE KNOLLS EXIT City/State: , UT	Material: NITRIC ACID Quantity: 0.10 Unknown
Date Spilled: 08/20/90 ERNS Case #: 900686 County: TOOELE	Spiller: BARRICK MERCUR GOLD MINE Location: MERCUR CANYON City/State: TOOELE, UT	Material: SODIUM CYANIDE Quantity: 60 Pounds
Date Spilled: 10/03/90 ERNS Case #: 900817 County: TOOELE	Spiller: USA - TOOELE ARMY DEPOT Location: TOOELE ARMY DEPOT City/State: TOOELE, UT	Material: HYDROCHLORIC ACID 8% Quantity: 400 Gallons
Date Spilled: 10/03/90 ERNS Case #: 900869 County: TOOELE	Spiller: Location: TOOELE ARMY DEPOT/BLDG 691 City/State: TOOELE, UT	Material: HYDROCHLORIC ACID Quantity: Unknown
Date Spilled: 03/16/90 ERNS Case #: 901064 County: TOOELE	Spiller: USAF Location: BONNEVILLE SALT FLATS City/State: WENDOVER, UT	Material: HYDRAZINE Quantity: 6 Gallons
Date Spilled: 03/16/90 ERNS Case #: 901100 County: TOOELE	Spiller: USAF Location: BONNEVILLE SALT FLATS City/State: WENDOVER, UT	Material: HYDRAZINE Quantity: 6 Gallons
Date Spilled: 02/19/91 ERNS Case #: 910144 County: TOOELE	Spiller: USA - TOOELE ARMY DEPOT Location: TOOELE ARMY DEPOT AT THE TANK FARM City/State: TOOELE, UT	Material: SODIUM HYDROXIDE Quantity: 4500 Gallons
Date Spilled: 02/26/91 ERNS Case #: 910161 County: TOOELE	Spiller: USA - TOOELE ARMY DEPOT Location: TOOELE ARMY DEPOT HWY 56 City/State: TOOELE, UT	Material: SULFURIC ACID Quantity: 20 Gallons
Date Spilled: 02/27/91 ERNS Case #: 910162 County: SALT LAKE, TOOELE	Spiller: GRAPHIC COATING AND STAMPING Location: DUMPING BTWN SALT LAKE CITY & WENDOVER City/State: SALT LAKE CITY & WENDOVER, UT	Material: MEK SOLVENT Quantity: 110 Gallons
Date Spilled: 02/26/91 ERNS Case #: 910163 County: TOOELE	Spiller: TOOELE ARMY Location: MARKETING OFFICE City/State: TOOELE, UT 84074-	Material: SULFURIC ACID (UNKNOWN CONC) Quantity: 20 Gallons

EMERGENCY RESPONSE NOTIFICATION SYSTEM
EPA REGION VIII FOIA(8) RIN-1631-93
DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH
NOTE: INITIAL NOTIFICATION ONLY -- UNVERIFIED DATA

Page: 4

Date Spilled: 04/11/91 ERNS Case #: 910300 County: TOOELE	Spiller: INSEMIC Location: STATE LINE CASINO (IN BACK ON BORDER) City/State: WENDOVER, UT 84083-	Material: SALT CAKE Quantity: 20000 Tons
Date Spilled: 06/13/91 ERNS Case #: 910519 County: TOOELE	Spiller: DAN OGDEN TRUCKING Location: S OF GRANTSVILLE, UT, SOUTH WILLOW ROAD City/State: GRANTSVILLE, UT 84029-	Material: DIESEL/CONTAMINATED SOIL Quantity: 0.10 Other
Date Spilled: 06/01/91 ERNS Case #: 910698 County: TOOELE	Spiller: USA - TOOELE ARMY DEPOT Location: TOOELE ARMY DEPOT City/State: TOOELE, UT	Material: DICHLOROMETHANE Quantity: 0.14 Pounds
Date Spilled: 07/24/91 ERNS Case #: 910699 County: TOOELE	Spiller: U.S. ARMY Location: TOOELE ARMY DEPOT City/State: TOOELE, UT	Material: METHYLENE CHLORIDE.015-.37PP Quantity: 6 Pounds
Date Spilled: 07/23/91 ERNS Case #: 910716 County: TOOELE	Spiller: USPCI Location: KNOLLS EXIT, OFF HWY I-80 City/State: CLIVE, UT	Material: D002, D007, D008, D018 Quantity: 30 Gallons
Date Spilled: 07/30/91 ERNS Case #: 910717 County: TOOELE	Spiller: USPCI Location: KNOLLS EXIT OFF HWY 80 City/State: CLIVE, UT	Material: D018 Quantity: 2 Gallons
Date Spilled: 08/29/91 ERNS Case #: 910850 County: TOOELE	Spiller: USA - TOOELE ARMY DEPOT Location: TOOELE ARMY DEPOT City/State: TOOELE, UT	Material: DINITROTOLUENE (MOLTEN) Quantity: 152 Pounds
Date Spilled: 09/25/91 ERNS Case #: 910954 County: TOOELE	Spiller: USPCI Location: 3 MI E., 7 MI N. OFF OF EXIT 44 OF I-80 City/State: CLIVE, UT	Material: WASTE SLUDGE D007/D008 Quantity: 75 Gallons
Date Spilled: 09/27/91 ERNS Case #: 910959 County: TOOELE	Spiller: USPCI Location: GRASSY MOUNTAIN FACILITY City/State: GRANTSVILLE, UT	Material: BARIUM D005 WASTE Quantity: 15 Gallons
Date Spilled: 10/17/91 ERNS Case #: 910998 County: TOOELE	Spiller: J & C STRINGER TRUCKING Location: INTERSTATE 80 NEAR CITY OF BLACK ROCK City/State: TOOELE, UT	Material: OIL: DIESEL Quantity: 20 Gallons
Date Spilled: 11/07/91 ERNS Case #: 911062 County: TOOELE	Spiller: DARRYL B TAYLOR TRANS Location: I-80, MILEMARKER 81 City/State: , UT	Material: OIL: DIESEL Quantity: 100 Gallons
Date Spilled: 11/20/91 ERNS Case #: 911105 County: TOOELE	Spiller: KENNECOTT UTAH COPPER Location: KENNECOTT COPPER SMELTER - NO. 7 PLANT City/State: BINGHAM CANYON, UT 84006-	Material: SULFUR DIOXIDE Quantity: 2 Pounds
Date Spilled: 11/22/91 ERNS Case #: 911121 County: TOOELE	Spiller: U W FRIEGHT LINES Location: HWY I-80 EASTBOUND City/State: GRANTSVILLE, UT	Material: OIL: DIESEL Quantity: 5 Gallons
Date Spilled: 12/17/91 ERNS Case #: 911197 County: TOOELE	Spiller: USPCI Location: 10 MILES NORTH OF HWY 80 - 40 MILES E. OF WEN DOVER, UT. City/State: WENDOVER, UT	Material: AMMONIUM SULFAMATE Quantity: 15 Gallons
COMMENT: 1 LEAKING DRUM IN CONTAINMENT AREA - USED SORBENT MATERIALS TO CLEAN UP.		
Date Spilled: 12/11/91 ERNS Case #: 911199 County: TOOELE	Spiller: MAGNESIUM CORPORTATION OF AMER Location: City/State: ROWLEY, UT	Material: CHLORINE Quantity: 57 Tons
COMMENT: RELEASE OVER 24-HOUR PERIOD.		
Date Spilled: 01/29/92 ERNS Case #: 920062 County: TOOELE	Spiller: MAGNESIUM CORP. OF AMERICA Location: ROWLEY FACILITY/15 MILES N. OF EXIT 77 ON I-80 City/State: , UT	Material: CHLORINE Quantity: 24 Tons
COMMENT: DISCHARGER REPAIRED BROKEN COMPRESSOR.		

EMERGENCY RESPONSE NOTIFICATION SYSTEM
EPA REGION VIII FOIA(8) RIN-1631-93
DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH
NOTE: INITIAL NOTIFICATION ONLY -- UNVERIFIED DATA

Page: 5

Date Spilled: 02/17/92 ERNS Case #: 920144 County: TOOELE COMMENT: SNOWMELT/PRECIPITATION CAUSED TAILINGS POND TO OVERFLOW.	Spiller: BARRICK MERCUR GOLD MINE Location: MERCUR CANYON ROAD City/State: TOOELE, UT	Material: SODIUM CYANIDE (14 PARTS/MIL Quantity: 25000 Gallons
Date Spilled: 03/06/92 ERNS Case #: 920193 County: TOOELE	Spiller: ENVIRO CARE Location: ENVIRO CARE FAC 3 MILES S. OF I-80, 49 MILES E. OF UT/NEV BORDER City/State: GRANTSVILLE, UT	Material: GASOLINE: AUTOMOTIVE (4.23G Quantity: 4 Gallons
Date Spilled: 05/14/92 ERNS Case #: 920452 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: I-80, 15 MILES NORTH OF EXIT 77 City/State: ROWLEY, UT	Material: CHLORINE Quantity: 38 Tons
Date Spilled: 05/18/92 ERNS Case #: 920460 County: TOOELE COMMENT: FAILURE IN WASH WATER COLUMN. BROUGHT UNITS DOWN, AND REPAIRS ARE BEING MADE.	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 57 Tons
Date Spilled: 06/17/92 ERNS Case #: 920575 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 63000 Tons
Date Spilled: 07/11/92 ERNS Case #: 920650 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: ROWLEY PLANT City/State: ROWLEY, UT	Material: CHLORINE Quantity: 9 Tons
Date Spilled: 07/15/92 ERNS Case #: 920673 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 128 Tons
Date Spilled: 07/17/92 ERNS Case #: 920678 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: ROWLEY PLANT City/State: GRANTSVILLE, UT	Material: CHLORINE Quantity: 19 Tons
Date Spilled: 07/20/92 ERNS Case #: 920689 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: ROWLEY FACILITY City/State: GRANTSVILLE, UT 84116	Material: CHLORINE(IN EXCESS OF ALLOWE Quantity: 1 Tons
Date Spilled: 08/06/92 ERNS Case #: 920747 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP FACILITY/15 MILES NORTH OF EXI T 77 ON I-80 WEST BOUND City/State: ROWLEY, UT 84116	Material: CHLORINE Quantity: 61 Tons
Date Spilled: 08/09/92 ERNS Case #: 920756 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP FACILITY/15 MILES NORTH OF EXI T 77 ON I-80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 39000 Tons
Date Spilled: 08/08/92 ERNS Case #: 920761 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP FACILITY/15 MILES NORTH OF EXI T 77 ON I-80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 21 Tons
Date Spilled: 08/22/92 ERNS Case #: 920806 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 254 Tons
Date Spilled: 08/29/92 ERNS Case #: 920842 County: TOOELE	Spiller: MAGNESIUM CORP. OF AMER. Location: ROWLEY ROAD/23 SW OF GRANTSVILLE City/State: GRANTSVILLE, UT 84116	Material: CHLORINE Quantity: 2 Tons
Date Spilled: 09/03/92 ERNS Case #: 920844 County: TOOELE	Spiller: USA - TOOELE ARMY DEPOT Location: TOOELE ARMY DEPOT City/State: TOOELE, UT 84074	Material: METHYLENE CHLORIDE, 81% Quantity: 55 Gallons

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EPA REGION VIII FOIA(8) RIN-1631-93
DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH
NOTE: INITIAL NOTIFICATION ONLY -- UNVERIFIED DATA

Page: 6

Date Spilled: 09/11/92 ERNS Case #: 920855 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: 15 MILES N OF I80 EXIT 77 City/State: RAWLEY, UT 84116	Material: CHLORINE Quantity: 188 Tons
Date Spilled: 09/14/92 ERNS Case #: 920867 County: TOOELE	Spiller: UNKNOWN Location: 2 MILES N. OF SKULL VALLEY (IOSEPA) City/State: , UT	Material: NITRIC ACID Quantity: 2 Pounds
Date Spilled: 09/04/92 ERNS Case #: 920922 County: TOOELE	Spiller: BIG WYOMING TRUCKING INK Location: 20MI NORTH HWY 191 FM VERNAL, UT City/State: VERNAL, UT 82501	Material: GASOLINE: AUTOMOTIVE (4.23G Quantity: 100 Gallons
Date Spilled: 10/01/92 ERNS Case #: 920940 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE (OVER THE PERMITTED Quantity: 6 Tons
Date Spilled: 10/05/92 ERNS Case #: 920978 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: ROWLEY FACILITY 15 MI N EXIT 77 I-80 City/State: ROWLEY, UT	Material: CHLORINE Quantity: 201 Tons
Date Spilled: 10/14/92 ERNS Case #: 920986 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: City/State: GRANTSVILLE, UT	Material: CHLORINE Quantity: 268 Tons
Date Spilled: 10/21/92 ERNS Case #: 921012 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 9 Tons
Date Spilled: 10/22/92 ERNS Case #: 921017 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 13 Tons
Date Spilled: 11/05/92 ERNS Case #: 921070 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: COUNTY ROAD 113 City/State: GRANTSVILLE, UT	Material: CHLORINE Quantity: 210 Tons
Date Spilled: 11/12/92 ERNS Case #: 921093 County: TOOELE COMMENT: RELEASE WAS FROM STABILIZATION UNIT. ADDED ADDITIONAL REAGENTS TO STABILIZATION UNIT UNTIL RELEASE STOPPED.	Spiller: USPCI Location: OFF I-80, MILE 43 ("THE KNOLLS" EXIT) City/State: GRANTSVILLE, UT	Material: HYDROGEN SULFIDE Quantity: 2100 Pounds
Date Spilled: 12/03/92 ERNS Case #: 921155 County: TOOELE	Spiller: USPCI Location: 3 MI E AND 7 MI N OF KNOLLS UTAH EXIT OFF OF I-80 City/State: GRANTSVILLE, UT	Material: HAZARDOUS WASTE INCINERATOR Quantity: 5000 Pounds
Date Spilled: 12/10/92 ERNS Case #: 921170 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: 15 MI NORTH OF EXIT 77 OFF OF I-80 ROWLEY PLA NT City/State: ROWLEY, UT 84116	Material: CHLORINE Quantity: 23 Tons
Date Spilled: 01/29/93 ERNS Case #: 930096 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: INTERSTATE 80 FIFTEEN MILES N OF EXIT 77 City/State: ROWLEY, UT	Material: CHLORINE Quantity: 61 Tons
Date Spilled: 02/05/93 ERNS Case #: 930123 County: TOOELE	Spiller: DETREX CORP Location: 76 AUTOTRUCK PLAZA I-80 & LAKEPOINT RD City/State: TOOELE, UT	Material: 1,1,1-TRICHLOROETHANE Quantity: 25 Gallons
Date Spilled: 02/13/93 ERNS Case #: 930175 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 10 Tons
Date Spilled: 03/01/93 ERNS Case #: 930193 County: TOOELE	Spiller: UNION PACIFIC RAILROAD Location: City/State: WARNER, UT	Material: OIL: DIESEL Quantity: 100 Gallons

EMERGENCY RESPONSE NOTIFICATION SYSTEM
EPA REGION VIII FOIA(8) RIN-1631-93
DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH
NOTE: INITIAL NOTIFICATION ONLY -- UNVERIFIED DATA

Page: 7

Date Spilled: 03/21/93 ERNS Case #: 930254 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 79 Tons
Date Spilled: 03/20/93 ERNS Case #: 930263 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 33 Tons
Date Spilled: 04/07/93 ERNS Case #: 930339 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 64 Tons
Date Spilled: 05/24/93 ERNS Case #: 930512 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 160 Tons
Date Spilled: 06/02/93 ERNS Case #: 930541 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: 15 MILES NORTH OF EXIT 77 ON I-80 City/State: ROWLY, UT	Material: CHLORINE Quantity: 269 Tons
Date Spilled: 06/10/93 ERNS Case #: 930576 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 8 Tons
Date Spilled: 07/15/93 ERNS Case #: 930681 County: TOOELE	Spiller: TOOELE ARMY DEPOT Location: ON BASE City/State: TOOELE ARMY DEPOT, UT	Material: EXPLOSIVES Quantity: Unknown
Date Spilled: 08/18/93 ERNS Case #: 930809 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: 15 MI N OF EXIT 77 OFF OF 180 City/State: ROWLEY, UT	Material: CHLORINE Quantity: 239 Tons
Date Spilled: 08/19/93 ERNS Case #: 930817 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: 15 MI N OF EXIT 77 OFF INTERSTATE 80 City/State: ROWLEY, UT	Material: CHLORINE Quantity: 165 Tons
Date Spilled: 09/09/93 ERNS Case #: 930879 County: TOOELE	Spiller: USARMY-TOOELE ARMY DEPOT Location: TOOELE ARMY DEPOT City/State: TOOELE, UT 84074	Material: MUSTARD GAS Quantity: 1150 Pounds
Date Spilled: 09/09/93 ERNS Case #: 930888 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP / 15 MILES N OF EXIT 77 ON I-80 O WESTBOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 164 Tons
Date Spilled: 09/01/93 ERNS Case #: 930972 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: 15 NORTH OF EXIT 77 OF I-80 City/State: ROWLEY, UT	Material: CHLORINE Quantity: 157 Tons
Date Spilled: 10/07/93 ERNS Case #: 931011 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I -80 WEST BOUND City/State: ROWLEY, UT	Material: CHLORINE Quantity: 142000 Pounds
Date Spilled: 10/10/93 ERNS Case #: 931016 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: 15 MI N OF EXIT 77 ON I-80 / 35 MILES NW OF T OWN City/State: GRANTSVILLE, UT	Material: CHLORINE Quantity: 157 Tons
Date Spilled: 10/13/93 ERNS Case #: 931029 County: TOOELE	Spiller: MAGNESIUM CORP OF AMERICA Location: 15 MI N OF EXIT 77 OFF I-80 City/State: ROWLEY, UT	Material: CHLORINE Quantity: 166 Tons

EMERGENCY RESPONSE NOTIFICATION SYSTEM
EPA REGION VIII FOIA(8) RIN-1631-93
DATA SEARCH ON REPORTED SPILLS FOR TOOELE COUNTY, UTAH
NOTE: INITIAL NOTIFICATION ONLY -- UNVERIFIED DATA

Page: 8

Date Spilled: 10/16/93
ERNS Case #: 931039
County: **TOOELE**

Spiller: MAGNESIUM CORP OF AMERICA
Location: MAGNESIUM CORP 15 MILES NORTH OF EXIT 77 ON I
-80 WEST BOUND
City/State: ROWLEY, UT

Material: CHLORINE
Quantity: 157 Tons

Date Spilled: 11/19/93
ERNS Case #: 931127
County: **TOOELE**

Spiller: USARMY-TOOELE ARMY DEPOT
Location: USA-TOOELE ARMY DEPOT STATE HWY 36
City/State: TOOELE, UT 84074

Material: WASTE WATER SLUDGE
Quantity: 400 Gallons

Date Spilled: 11/27/93
ERNS Case #: 931158
County: **TOOELE**

Spiller: UNKNOWN ABANDONED DRUM
Location: 5 MILE PASS / NEAR CEDAR FORT, SEC 9, R3W, T7
S / DISCOVERED ON BLM LAND
City/State: CEDAR FORT, UT

Material: UNKNOWN
Quantity: 1 Drums

APPENDIX C

DISQUALIFIER AND QUALIFIER DATABASE TABLE

LIST OF ABBREVIATIONS/ACRONYMS IN DISQUALIFIER AND QUALIFIER DATABASE TABLE

ASBPRES85	Asbestos
BLDG	Building
CMF	Consolidated Maintenance Facility
CMFL	Portion of CMF built over former Outfall D to Industrial Waste Lagoon
CMFR	Portion of CMF built over former Outfall E to Industrial Waste Lagoon
CRANE	25 Ton bridge crane
FENCE	Fenced area (former motor pool)
HAZRD	Hazardous material release/disposal
HAZSTOR	Hazardous material storage
N	No
NG	Utah National Guard
No.	Number
OSL	Open storage lot
OSL ADAPBERM	Former Administration Area bermed area (aerial photographs)
OSL ADAPDF	Former Administration Area drainfield (aerial photographs)
OSL ADAPEXC	Former Administration Area excavation (aerial photographs)
OSL ADAPTRCH	Area of former Administration Area trenches (aerial photographs)
OSL DEMBLDGS	Demolished former base housing tract
OSL FB105	Former Building 105 (demolished)
OSL FB130	Former Building 130 (demolished)
OSL FUELTANK582	Fuel Oil Tank 582
OSL HWSTORAREA1	Fenced area around Building 656
OSL HWSTORAREA2	Fenced area around Buildings 588 and 596
OSL H2OTANK581	Water Tank 581
OSL MAPDG	Former Maintenance and Supply Area disturbed ground
OSL NEWDRMO1	Area of documented contamination located in open land at DRMO
OSL NEWDRMO2	Area of documented contamination located in open land at DRMO
OSL NEWPLUME	Estimated maximum extent of trichloroethylene groundwater plume associated with the Sanitary Landfill
OSL NMAPTRCH	Former northern Maintenance and Supply Area trench (aerial photographs)
OSL OFB	Former Outfall B to Industrial Waste Lagoon
OSL OFBTEMP	Former area of temporary channel failure from ditch at Outfall B
OSL OFC	Former Outfall C to Industrial Waste Lagoon
OSL OFD1	Northeast end of former Outfall D to Industrial Waste Lagoon
OSL OFD2	Southwest end of former Outfall D to Industrial Waste Lagoon
OSL OFE1	Northeast end of former Outfall E to Industrial Waste Lagoon
OSL OFE2	Southwest end of former Outfall E to Industrial Waste Lagoon
OSL OFF	Former Outfall F to Old Industrial Waste Lagoon
OSL OFG	Former Outfall G to Old Industrial Waste Lagoon
OSL OFH	Former Outfall H to Old Industrial Waste Lagoon
OSL OFJ	Former Outfall J to Old Industrial Waste Lagoon
OSL OFK	Former Outfall K to Old Industrial Waste Lagoon

**LIST OF ABBREVIATIONS/ACRONYMS
IN DISQUALIFIER AND QUALIFIER DATABASE TABLE (Continued)**

OSL OFL	Former Outfall L to Old Industrial Waste Lagoon
OSL OPENLANDW	Open land along west central portion of Maintenance and Supply Area
OSL PLUME	Maximum extent of trichloroethylene groundwater plume associated with the Industrial Waste Lagoon
OSL RAD1	Portion of former Drummed Radioactive Waste Storage Area
OSL RAD2	Portion of former Drummed Radioactive Waste Storage Area
OSL SMAPTRCH	Former southern Maintenance and Supply Area trench (aerial photographs)
OSL STLIQ-A	Northernmost area of standing liquid (associated with SWMU 30) located in BRAC
OSL STLIQ-B	Centrally located area of standing liquid (associated with SWMU 30) located in BRAC
OSL STLIQ-C	Southernmost area of standing liquid (associated with SWMU 30) located in BRAC
OSL SWMU 28	SWMU 28, 90-Day Drum Storage Area
OSL SWMU 29	SWMU 29, Drum Storage Areas
OSL TANK582AREA	Fenced area surrounding Fuel Oil Tank 582
P	Possible
PBPNTTP78	Lead-based paint
PCBS	Polychlorinated biphenyls
PETRRD	Petroleum release/disposal
PETRSTOR	Petroleum storage
RADNCL	Radionuclides
SATR	Trap and Skeet Range
SLAB	Concrete slab (Administration Area)
TVHS	Tooele Valley High School
UXO	Unexploded ordnance
Y	Yes
YR_BLT	Year built ("0" displayed if year built not available)

NOTE: Individual portions of OSLs and other features divided into multiple polygons by outfall ditches to the IWL are identified by adding the letters A, B, or C to the end of the database label for each segmented feature.

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRES5	RADON	RADNCL	PCBS	PBPNT78	UXO
100	BLDG	1992	N	Y	N	N	N	N	N	N	N	N
1000	BLDG	1943	N	Y	N	Y	Y	N	N	N	P	N
1001	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
1002	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
1004	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
1005	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
1006	BLDG	1943	N	N	N	N	P	N	N	N	P	N
1008	BLDG	1978	N	N	N	N	P	N	N	N	N	N
1009	BLDG	0	N	N	N	N	P	N	N	N	P	N
1010	BLDG	1972	N	Y	N	N	Y	N	N	N	P	N
1011	BLDG	1981	N	N	N	N	P	N	N	N	N	N
1020	BLDG	0	N	N	N	N	P	N	N	N	P	N
109	BLDG	1985	N	Y	N	N	Y	N	N	N	N	N
1110	BLDG	1979	N	N	N	N	P	N	N	N	N	N
1111	BLDG	1968	N	N	N	N	P	N	N	N	P	N
1112	BLDG	0	N	N	N	N	P	N	N	N	P	N
112	BLDG	1985	N	Y	N	N	N	N	N	N	N	N
114	BLDG	1985	N	Y	N	N	N	N	N	N	N	N
116	BLDG	1985	N	N	N	N	N	N	N	N	N	N
160	BLDG	1981	N	N	N	N	P	N	N	N	N	N
161	BLDG	1981	N	N	N	N	P	N	N	N	N	N
162	BLDG	1981	N	N	N	N	P	N	N	N	N	N
163	BLDG	1981	N	N	N	N	P	N	N	N	N	N
2000	BLDG	1976	N	N	Y	N	P	N	P	N	P	N
2001	BLDG	1976	N	N	Y	Y	P	N	P	N	P	N
2002	BLDG	1976	N	N	Y	N	P	N	P	N	P	N
2003	BLDG	1976	N	Y	Y	Y	P	N	P	N	P	N
2004	BLDG	1976	N	N	Y	N	P	N	P	N	P	N
2005	BLDG	1976	N	N	Y	N	P	N	P	N	P	N
2006	BLDG	1976	N	N	Y	N	P	N	P	N	P	N
2007	BLDG	1976	N	N	Y	N	P	N	P	N	P	N
2011	BLDG	1946	N	Y	Y	N	P	N	P	N	P	N
2012	BLDG	1943	N	Y	Y	N	N	N	P	N	P	N
2013	BLDG	1962	N	Y	Y	N	P	N	P	N	P	N
2014	BLDG	0	N	N	Y	N	P	N	P	N	P	N
2015	BLDG	0	N	N	Y	N	P	N	P	N	P	N
2016	BLDG	1981	N	N	Y	N	P	N	P	N	N	N
2020	BLDG	1989	N	Y	Y	N	N	N	P	N	N	N
250	BLDG	0	N	N	N	N	N	N	N	N	P	N
253	BLDG	0	N	N	N	N	N	N	N	N	P	N
576	BLDG	1962	P	N	P	Y	P	N	N	N	P	N
586	BLDG	1970	N	N	N	N	P	N	N	N	P	N
587	BLDG	1971	N	N	N	Y	N	N	N	N	P	N
588	BLDG	1987	N	N	N	N	N	N	N	N	N	N
596	BLDG	0	N	N	N	N	P	N	N	N	P	N
597	BLDG	1963	N	N	N	N	Y	N	N	N	P	N
600	BLDG	1943	P	Y	Y	Y	Y	N	N	N	P	N
600-A	BLDG	0	N	N	N	N	P	N	N	N	P	N
600-B	BLDG	0	N	N	N	N	P	N	N	N	P	N
600-C	BLDG	1988	N	N	P	Y	N	N	N	N	N	N
602	BLDG	1943	P	Y	P	Y	Y	N	N	N	P	N
603	BLDG	1943	P	N	P	Y	Y	N	N	N	P	N
607	BLDG	1943	N	N	P	Y	Y	N	N	N	P	N

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRES5	RADON	RADNCL	PCBS	PBPNT78	UXO
612	BLDG	1943	P	N	P	Y	Y	N	N	N	P	N
613	BLDG	1943	P	N	P	Y	Y	N	N	N	P	N
613A	BLDG	0	N	N	N	N	P	N	N	N	P	N
615	BLDG	1956	P	N	Y	Y	Y	N	N	N	P	N
615-PI	BLDG	0	N	N	N	N	P	N	N	N	P	N
615C	BLDG	0	N	N	N	N	P	N	N	N	P	N
615D	BLDG	0	N	N	N	Y	P	N	N	N	P	N
618-A	BLDG	0	N	N	N	N	P	N	N	N	P	N
619	BLDG	1943	P	Y	P	Y	N	N	P	N	P	N
622	BLDG	1977	N	Y	N	N	N	N	N	N	P	N
623	BLDG	0	P	Y	P	N	N	N	N	N	P	N
624	BLDG	1966	N	Y	N	N	P	N	N	N	P	N
626	BLDG	0	N	N	N	N	N	N	N	N	N	N
626F	BLDG	0	N	N	N	N	P	N	N	N	P	N
627	BLDG	1973	P	Y	N	N	Y	N	N	N	P	N
628	BLDG	1943	N	N	N	N	P	N	N	N	P	N
632	BLDG	1992	N	N	N	N	N	N	N	N	N	N
633	BLDG	0	N	N	N	N	P	N	N	N	P	N
637-A	BLDG	1943	N	N	N	N	P	N	N	N	P	N
637-B	BLDG	0	N	N	N	N	P	N	N	N	P	N
637-C	BLDG	0	N	N	N	N	P	N	N	N	P	N
653	BLDG	0	N	N	N	N	P	N	N	N	P	N
655	BLDG	1968	N	Y	N	N	Y	N	N	N	P	N
656	BLDG	1976	P	Y	P	N	P	N	N	N	P	N
673	BLDG	0	N	N	N	N	P	N	N	N	P	N
690	BLDG	0	N	N	N	N	P	N	N	N	P	N
691	BLDG	1983	P	Y	P	Y	Y	N	N	N	N	N
693	BLDG	0	N	N	N	N	P	N	N	N	P	N
710	BLDG	1987	N	N	N	Y	N	N	N	N	N	N
711	BLDG	1987	N	Y	N	N	N	N	N	N	N	N
712	BLDG	1987	N	N	N	Y	N	N	N	N	N	N
713	BLDG	1987	N	N	N	Y	N	N	N	N	N	N
714	BLDG	1987	N	N	N	Y	N	N	N	N	N	N
715	BLDG	1987	N	N	Y	Y	N	N	N	N	N	N
716	BLDG	1993	N	N	N	Y	N	N	N	N	N	N
804	BLDG	1947	N	N	N	N	P	N	N	N	P	N
805	BLDG	1947	N	N	N	N	P	N	N	N	P	N
806	BLDG	1947	N	N	N	N	P	N	N	N	P	N
807	BLDG	1947	N	N	N	N	P	N	N	N	P	N
808	BLDG	1947	N	N	N	N	P	N	N	N	P	N
809	BLDG	1947	N	N	N	N	P	N	N	N	P	N
810	BLDG	1947	N	N	N	N	P	N	N	N	P	N
811	BLDG	1947	N	N	N	N	P	N	N	N	P	N
812	BLDG	1947	N	N	N	N	P	N	N	N	P	N
813	BLDG	1947	N	N	N	N	P	N	N	N	P	N
814	BLDG	1947	N	N	N	N	P	N	N	N	P	N
815	BLDG	1947	N	N	N	N	P	N	N	N	P	N
816	BLDG	1947	N	N	N	N	P	N	N	N	P	N
817	BLDG	1947	N	N	N	N	P	N	N	N	P	N
818	BLDG	1947	N	N	N	N	P	N	N	N	P	N
819	BLDG	1947	N	N	N	N	P	N	N	N	P	N
820	BLDG	1947	N	N	N	N	P	N	N	N	P	N
821	BLDG	1947	N	N	N	N	P	N	N	N	P	N

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRES5	RADON	RADNCL	PCBS	PBPNT78	UXO
822	BLDG	1947	N	N	N	N	P	N	N	N	P	N
823	BLDG	1947	N	N	N	N	P	N	N	N	P	N
824	BLDG	1947	N	N	N	N	P	N	N	N	P	N
825	BLDG	1947	N	N	N	N	P	N	N	N	P	N
826	BLDG	1947	N	N	N	N	P	N	N	N	P	N
827	BLDG	1947	N	N	N	N	P	N	N	N	P	N
828	BLDG	1947	N	N	N	N	P	N	N	N	P	N
829	BLDG	1947	N	N	N	N	P	N	N	N	P	N
830	BLDG	1947	N	N	N	N	P	N	N	N	P	N
831	BLDG	1947	N	N	N	N	P	N	N	N	P	N
832	BLDG	1947	N	N	N	N	P	N	N	N	P	N
833	BLDG	1947	N	N	N	N	P	N	N	N	P	N
834	BLDG	1947	N	N	N	N	P	N	N	N	P	N
835	BLDG	1947	N	N	N	N	P	N	N	N	P	N
836	BLDG	1947	N	N	N	N	P	N	N	N	P	N
837	BLDG	1947	N	N	N	N	P	N	N	N	P	N
838	BLDG	1947	N	N	N	N	P	N	N	N	P	N
839	BLDG	1947	N	N	N	N	P	N	N	N	P	N
840	BLDG	1947	N	N	N	N	P	N	N	N	P	N
841	BLDG	1947	N	N	N	N	P	N	N	N	P	N
842	BLDG	1947	N	N	N	N	P	N	N	N	P	N
843	BLDG	1947	N	N	N	N	P	N	N	N	P	N
844	BLDG	1947	N	N	N	N	P	N	N	N	P	N
845	BLDG	1947	N	N	N	N	P	N	N	N	P	N
846	BLDG	1947	N	N	N	N	P	N	N	N	P	N
847	BLDG	1947	N	N	N	N	P	N	N	N	P	N
848	BLDG	1947	N	N	N	N	P	N	N	N	P	N
849	BLDG	1947	N	N	N	N	P	N	N	N	P	N
850	BLDG	1947	N	N	N	N	P	N	N	N	P	N
851	BLDG	1947	N	N	N	N	P	N	N	N	P	N
852	BLDG	1947	N	N	N	N	P	N	N	N	P	N
853	BLDG	1947	N	N	N	N	P	N	N	N	P	N
854	BLDG	1947	N	N	N	N	P	N	N	N	P	N
855	BLDG	1947	N	N	N	N	P	N	N	N	P	N
856	BLDG	1947	N	N	N	N	P	N	N	N	P	N
857	BLDG	1947	N	N	N	N	P	N	N	N	P	N
858	BLDG	1947	N	N	N	N	P	N	N	N	P	N
859	BLDG	1947	N	N	N	N	P	N	N	N	P	N
860	BLDG	1947	N	N	N	N	P	N	N	N	P	N
861	BLDG	1947	N	N	N	N	P	N	N	N	P	N
862	BLDG	1947	N	N	N	N	P	N	N	N	P	N
863	BLDG	1947	N	N	N	N	P	N	N	N	P	N
864	BLDG	1947	N	N	N	N	P	N	N	N	P	N
865	BLDG	1947	N	N	N	N	P	N	N	N	P	N
866	BLDG	1947	N	N	N	N	P	N	N	N	P	N
867	BLDG	1947	N	N	N	N	P	N	N	N	P	N
868	BLDG	1947	N	N	N	N	P	N	N	N	P	N
869	BLDG	1947	N	N	N	N	P	N	N	N	P	N
870	BLDG	1947	N	N	N	N	P	N	N	N	P	N
871	BLDG	1947	N	N	N	N	P	N	N	N	P	N
872	BLDG	1947	N	N	N	N	P	N	N	N	P	N
873	BLDG	1947	N	N	N	N	P	N	N	N	P	N
874	BLDG	1947	N	N	N	N	P	N	N	N	P	N

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRES5	RADON	RADNCL	PCBS	PBPNT78	UXO
875	BLDG	1947	N	N	N	N	P	N	N	N	P	N
876	BLDG	1947	N	N	N	N	P	N	N	N	P	N
877	BLDG	1947	N	N	N	N	P	N	N	N	P	N
878	BLDG	1947	N	N	N	N	P	N	N	N	P	N
879	BLDG	1947	N	N	N	N	P	N	N	N	P	N
880	BLDG	1947	N	N	N	N	P	N	N	N	P	N
881	BLDG	1947	N	N	N	N	P	N	N	N	P	N
882	BLDG	1947	N	N	N	N	P	N	N	N	P	N
883	BLDG	1947	N	N	N	N	P	N	N	N	P	N
884	BLDG	1947	N	N	N	N	P	N	N	N	P	N
885	BLDG	1947	N	N	N	N	P	N	N	N	P	N
886	BLDG	1947	N	N	N	N	P	N	N	N	P	N
887	BLDG	1947	N	N	N	N	P	N	N	N	P	N
888	BLDG	1947	N	N	N	N	P	N	N	N	P	N
889	BLDG	1947	N	N	N	N	P	N	N	N	P	N
890	BLDG	1947	N	N	N	N	P	N	N	N	P	N
891	BLDG	1947	N	N	N	N	P	N	N	N	P	N
892	BLDG	1947	N	N	N	N	P	N	N	N	P	N
893	BLDG	1947	N	N	N	N	P	N	N	N	P	N
894	BLDG	1947	N	N	N	N	P	N	N	N	P	N
895	BLDG	1947	N	N	N	N	P	N	N	N	P	N
896	BLDG	1947	N	N	N	N	P	N	N	N	P	N
897	BLDG	1947	N	N	N	N	P	N	N	N	P	N
898	BLDG	1947	N	N	N	N	P	N	N	N	P	N
899	BLDG	1947	N	N	N	N	P	N	N	N	P	N
900	BLDG	1947	N	N	N	N	P	N	N	N	P	N
901	BLDG	1947	N	N	N	N	P	N	P	N	P	N
902	BLDG	1947	N	N	N	N	P	N	P	N	P	N
903	BLDG	1947	N	N	N	N	P	N	N	N	P	N
904	BLDG	1947	N	N	N	N	P	N	N	N	P	N
905	BLDG	1947	N	N	N	N	P	N	N	N	P	N
906	BLDG	1947	N	N	N	N	P	N	N	N	P	N
907	BLDG	1947	N	N	N	N	P	N	N	N	P	N
908	BLDG	1947	N	N	N	N	P	N	N	N	P	N
909	BLDG	1947	N	N	N	N	P	N	N	N	P	N
910	BLDG	1947	N	N	N	N	P	N	N	N	P	N
911	BLDG	1947	N	N	N	N	P	N	N	N	P	N
912	BLDG	1947	N	N	N	N	P	N	N	N	P	N
913	BLDG	1947	N	N	N	N	P	N	N	N	P	N
914	BLDG	1947	N	N	N	N	P	N	N	N	P	N
915	BLDG	1947	N	N	N	N	P	N	N	N	P	N
916	BLDG	1947	N	N	N	N	P	N	N	N	P	N
917	BLDG	1947	N	N	N	N	P	N	N	N	P	N
918	BLDG	1947	N	N	N	N	P	N	N	N	P	N
919	BLDG	1947	N	N	N	N	P	N	N	N	P	N
920	BLDG	1947	N	N	N	N	P	N	N	N	P	N
921	BLDG	1947	N	N	N	N	P	N	N	N	P	N
922	BLDG	1947	N	N	N	N	P	N	N	N	P	N
923	BLDG	1947	N	N	N	N	P	N	N	N	P	N
924	BLDG	1947	N	N	N	N	P	N	N	N	P	N
925	BLDG	1947	N	N	N	N	P	N	N	N	P	N
926	BLDG	1947	N	N	N	N	P	N	N	N	P	N
927	BLDG	1947	N	N	N	N	P	N	N	N	P	N

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRES5	RADON	RADNCL	PCBS	PBPNT78	UXO
928	BLDG	1947	N	N	N	N	P	N	N	N	P	N
CMF	BLDG	1992	N	Y	N	Y	N	N	N	N	N	N
CMFL	BLDG	1992	Y	Y	Y	Y	N	N	N	N	N	N
CMFR	BLDG	1992	Y	Y	Y	Y	N	N	N	N	N	N
CRANE	BLDG	0	N	N	N	N	N	N	N	N	P	N
FENCE	BLDG	0	P	P	P	P	N	N	N	N	N	N
NG	BLDG	0	N	Y	N	Y	P	N	N	N	P	N
OSL 509-2	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 509-3	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 509-4	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 509-5	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 509-6	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-2-A	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-2-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-3-A	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-3-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-4-A	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-4-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-5-A	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-5-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-6-A	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 605-6-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 615-1	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 615-2	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 615-3	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 615-5-A	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 615-5-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 615-6-A	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 615-6-B	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 625-4	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 625-5	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 625-6	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 633	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 635-4	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 635-5	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 635-6	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 643	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 645-4	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 645-5	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 645-6	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 653	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 655-1	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 655-2	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 655-3	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 655-4	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 655-5	OSL	0	P	Y	P	Y	P	N	N	N	P	N
OSL 655-6	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 655-7	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 655-8	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 663	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 665-1	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 665-2	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 665-3	OSL	0	N	N	N	N	N	N	N	N	N	N

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBP85	RADON	RADNCL	PCBS	PBPNT78	UXO
OSL 665-4	OSL	0	N	N	Y	N	N	N	N	N	N	N
OSL 665-5	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 665-6	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 665-7	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 665-8	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 670-4	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 670-5	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 670-6	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 670-7	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 673	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 675-2	OSL	0	N	N	Y	N	N	N	N	N	N	N
OSL 675-3	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 675-4	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 675-5	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 675-6	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 675-7	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 675-8	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 680	OSL	0	N	N	P	N	N	N	N	N	N	N
OSL 683	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 685-1	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 685-2	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 685-3	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 685-4	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 685-5	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 685-6	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 685-7	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 685-8	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 690	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 693	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 695-1	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 695-2	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 695-3	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 695-4	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 695-5	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 695-6	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 695-7	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 695-8	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 703	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 704	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 705	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 713	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 714	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 715	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 803	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 804	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 805	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 806	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 807	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 813	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 814	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 815	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 816	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 817	OSL	0	N	N	N	N	N	N	N	N	N	N

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRES5	RADON	RADNCL	PCBS	PBPNTPT78	UXO
OSL 823	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 824	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 830	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 831	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 833	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 834	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 840	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 841	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 843	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 850	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 851	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 853	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 854	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 860	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 861	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 862	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 863	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL 870	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 871	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 872	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL 873	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL ADAPBERM	OSL	0	P	P	P	P	N	N	N	N	N	N
OSL ADAPDF	OSL	0	P	N	P	N	N	N	N	N	N	N
OSL ADAPEXC	OSL	0	P	N	P	N	N	N	N	N	N	N
OSL ADAPTRCH	OSL	0	P	N	P	N	N	N	N	N	N	N
OSL DEMBLDGS	OSL	0	N	P	N	N	N	N	N	N	N	N
OSL FB105	OSL	0	N	Y	N	N	N	N	N	N	N	N
OSL FB130	OSL	0	N	Y	N	N	N	N	N	N	N	N
OSL FUELTANK58BSL	OSL	0	N	Y	N	N	N	N	N	N	P	N
OSL H2OTANK581OSL	OSL	0	N	N	N	N	N	N	N	N	P	N
OSL HWSTORAREA0SL	OSL	0	P	Y	P	Y	N	N	N	N	N	N
OSL HWSTORAREABSL	OSL	0	Y	Y	Y	Y	N	N	N	N	N	N
OSL MAPDG	OSL	0	P	N	P	N	N	N	N	N	N	N
OSL NEWDRMO1	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL NEWDRMO2	OSL	0	N	N	Y	N	N	N	P	N	N	N
OSL NEWPLUME	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL NMAPTRCH	OSL	0	P	N	P	N	N	N	N	N	N	N
OSL OFB	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFBTEMP	OSL	0	P	N	P	N	N	N	N	N	N	N
OSL OFC	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFD1	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFD2	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFE1	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFE2	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFF	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFG	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFH	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFJ	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFK	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OFL	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL OPENLANDW-BSL	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL OPENLANDW-BSL	OSL	0	N	N	N	N	N	N	N	N	N	N
OSL OPENLANDW-OSL	OSL	0	N	N	N	N	N	N	N	N	N	N

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRES5	RADON	RADNCL	PCBS	PBPNT78	UXO
OSL PLUME	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL RAD1	OSL	0	N	N	N	N	N	N	P	N	N	N
OSL RAD2	OSL	0	N	N	N	N	N	N	P	N	N	N
OSL SHAPTRCH	OSL	0	P	N	P	N	N	N	N	N	N	N
OSL STL1Q-A	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL STL1Q-B	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL STL1Q-C	OSL	0	Y	N	Y	N	N	N	N	N	N	N
OSL SWMU 28	OSL	0	Y	Y	Y	Y	N	N	N	N	N	N
OSL SWMU 29	OSL	0	Y	Y	Y	Y	N	N	N	N	N	N
OSL TANK582AREASL	OSL	0	Y	N	N	N	N	N	N	N	N	N
S-101	BLDG	1945	P	Y	N	N	Y	N	N	N	P	N
S-103	BLDG	1943	P	Y	N	N	Y	N	N	N	P	N
S-104	BLDG	1943	P	Y	N	N	Y	N	N	N	P	N
S-108	BLDG	1981	N	Y	N	N	Y	N	N	N	N	N
S-110	BLDG	1943	P	Y	N	N	Y	N	N	N	P	N
S-111	BLDG	1943	P	Y	N	N	Y	N	N	N	P	N
S-113	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-115	BLDG	1943	N	N	N	N	Y	N	N	N	P	N
S-117	BLDG	1943	N	Y	N	N	Y	N	Y	N	P	N
S-118	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-119	BLDG	1943	N	N	N	N	Y	N	N	N	P	N
S-120	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-121	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-122	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-123	BLDG	1943	N	N	N	N	Y	N	N	N	P	N
S-124	BLDG	1943	P	Y	N	N	Y	N	N	N	P	N
S-125	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-126	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-139	BLDG	1985	P	Y	N	N	Y	N	N	N	N	N
S-141	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-143	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-145	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-147	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-149	BLDG	1943	N	N	N	N	Y	N	N	N	P	N
S-150	BLDG	1943	N	P	N	N	Y	N	N	N	P	N
S-151	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-152	BLDG	1943	N	P	N	N	Y	N	N	N	P	N
S-153	BLDG	1945	N	Y	N	N	Y	N	N	N	P	N
S-155	BLDG	1945	N	Y	N	N	Y	N	N	N	P	N
S-2008	BLDG	1958	N	N	Y	N	P	N	P	N	P	N
S-2009	BLDG	1958	N	Y	Y	N	N	N	P	N	P	N
S-2010	BLDG	1986	N	Y	Y	N	N	N	P	N	N	N
S-2025	BLDG	1943	N	N	Y	Y	N	N	P	N	P	N
S-590	BLDG	1943	N	N	N	Y	Y	N	N	N	P	N
S-592	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-593	BLDG	0	N	N	N	N	P	N	N	N	P	N
S-595	BLDG	1944	N	Y	N	N	Y	N	N	N	P	N
S-601	BLDG	1943	P	N	P	Y	Y	N	N	N	P	N
S-604	BLDG	1943	N	N	P	Y	Y	N	N	N	P	N
S-605	BLDG	1943	N	N	N	Y	Y	N	P	N	P	N
S-606	BLDG	1943	P	Y	P	Y	P	N	N	N	P	N
S-608	BLDG	1943	N	Y	P	Y	Y	N	N	N	P	N
S-609	BLDG	1943	P	N	Y	Y	Y	N	N	N	P	N

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRES5	RADON	RADNCL	PCBS	PBPNTPT8	UXO
S-610	BLDG	1943	P	Y	P	N	P	N	N	N	P	N
S-610A	BLDG	0	N	N	N	N	P	N	N	N	P	N
S-611	BLDG	1943	P	Y	P	Y	Y	P	N	N	P	N
S-611A	BLDG	0	N	N	N	N	P	N	N	N	P	N
S-614	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-616	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-617	BLDG	1943	N	N	Y	Y	Y	N	N	N	P	N
S-618	BLDG	1943	P	P	P	Y	Y	N	N	N	P	N
S-620	BLDG	1943	P	N	Y	Y	Y	N	P	N	P	N
S-621	BLDG	1943	N	N	N	Y	Y	N	N	N	P	N
S-621R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
S-629	BLDG	1943	Y	Y	P	Y	Y	N	N	N	P	N
S-630	BLDG	1943	N	N	N	Y	Y	N	P	N	P	N
S-631	BLDG	1943	N	N	P	N	Y	N	P	N	P	N
S-631R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
S-637	BLDG	1943	Y	Y	Y	Y	Y	N	P	N	P	N
S-638	BLDG	1962	P	Y	P	Y	P	N	N	N	P	N
S-639	BLDG	1943	N	Y	N	Y	Y	N	P	N	P	N
S-640	BLDG	1943	N	N	N	N	P	N	P	N	P	N
S-641	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-641R	BLDG	0	N	P	N	N	P	N	N	N	P	N
S-647	BLDG	1943	P	Y	P	Y	Y	N	N	N	P	N
S-647R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
S-649	BLDG	1943	N	N	N	N	Y	N	N	N	P	N
S-650	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-651	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-651R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
S-657	BLDG	1943	N	N	N	Y	Y	N	N	N	P	N
S-657R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
S-659	BLDG	1943	N	N	P	N	Y	N	Y	Y	P	N
S-660	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-661	BLDG	1943	N	N	N	N	Y	N	N	N	P	N
S-661R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
S-667	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-667R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
S-669	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-670	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-671	BLDG	1943	N	Y	N	N	Y	N	N	N	P	N
S-672	BLDG	1957	N	Y	N	N	P	N	N	N	P	N
S-674	BLDG	0	N	N	N	N	P	N	N	N	P	N
S-675	BLDG	1948	N	N	N	N	P	N	N	N	P	N
S-676	BLDG	0	N	N	N	N	P	N	N	N	P	N
S-677	BLDG	1943	N	N	N	N	Y	N	N	N	P	N
S-677R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
S-679	BLDG	1943	N	Y	P	N	P	N	N	N	P	N
S-687	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-687R	BLDG	0	N	Y	N	N	P	N	N	N	P	N
S-689	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-694	BLDG	1977	N	N	N	N	N	N	N	N	P	N
S-697	BLDG	1943	N	N	N	N	P	N	N	N	P	N
S-699	BLDG	1943	N	N	N	N	Y	N	N	N	P	N
S-735	BLDG	1944	N	Y	N	Y	N	N	N	N	P	N
S-752	BLDG	1964	N	N	N	N	P	N	N	N	P	N

LABEL	TYPE	YR_BLT	PETRRD	PETRSTOR	HAZRD	HAZSTOR	ASBPRES5	RADON	RADNCL	PCBS	PBPNT78	UXO
S-753	BLDG	1944	N	P	N	N	Y	N	N	N	P	N
SATR	BLDG	0	N	N	N	N	N	N	N	N	N	N
SLAB	BLDG	0	N	N	N	N	N	N	N	N	N	N
T-159	BLDG	1957	N	N	N	N	P	N	N	N	P	N
T-589	BLDG	1968	N	N	N	N	Y	N	N	N	P	N
TVHS	BLDG	0	N	N	N	N	P	N	N	N	P	N

APPENDIX D

*REGULATORY COMMENTS TO THE DRAFT FINAL TOOELE
ARMY DEPOT - NORTH AREA CERFA REPORT*



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2466

July 1, 1994

Mr. Larry McFarland
BRAC Environmental Coordinator
Tooele Army Depot
SDSTE-IRE
Tooele UT 84074

Dear Mr. McFarland

On April 8, 1994, I received the final Community Environmental Response Facilitation Act Report (CERFA Report) for Tooele Army Depot - North Area (TEAD-N), and the Enhanced Preliminary Assessment Report (ENPA) for Tooele Army Depot - North Area for review. Copies of these reports were also delivered to Mr. Terry Hawkins, Utah Department of Environmental Quality (UDEQ) and BRAC Cleanup Team (BCT) representative. Mr. Hawkins' CERFA Report review comments will be forwarded to you at a later date. EPA review comments on the ENPA were provided to you when we visited in your office on May 17.

I reviewed the CERFA Report parcel characterizations in light of information contained in the ENPA and other documents in our office files. In addition, you provided Terry Hawkins and me with several opportunities to tour the installation and discuss its various features with you. Based on that review, and without any independent investigation or verification of parcel determinations presented in this CERFA Report, I concur, with exceptions noted below, with classifications assigned by AGEISS Environmental, Inc. to the various TEAD-N excessed area parcels in accordance with the provisions of section 120(h)(4)(A) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and pursuant to EPA Region VIII delegation 14-39. Where I have noted exceptions to AGEISS clean parcel determinations, actual ownership transfer of the disputed acreage will proceed according to processes developed pursuant to CERCLA 120(h)(3).

Parcel 1D through 7D:

I concur with the classification assigned to parcels 1D through 7D. Those parcels were disqualified due, mostly, either to historical usage of areas within the parcels or, with respect to parcel 1D, the presence of a contaminant plume in the underlying aquifer. As we discussed during my visit on June 2, I am also assuming a CERFA disqualified classification for the



additional acreage which was added to the west side of the industrial area (as shown on the 03/16/94 CERFA Parcel Designation Map 5-1) as a result of the recent, formal survey of the TEAD-N excessed areas.

Parcel 2D:

I do not concur with the 'P' classification for the two acre block immediately south of parcel 2D. Because of their proximity to parcel 2D, I consider it likely this acreage will be contaminated to the same extent as parcel 2D. This acreage should carry the same classification as parcel 2D until field truthing its environmental state.

Parcel 8Q:

I concur with classification of parcel 8Q with the exception of building 632 and, possibly, building 624. A recycled industrial water (holding) tank and an associated structure (building 632) receive treated water from the Industrial Wastewater Treatment Plant (IWTP) for storage prior to reuse in the maintenance area. Classification of this portion of parcel 8Q shall be based on and consistent with RCRA classification of the water pumped from the IWTP and stored in the holding tank.

In section 5.0 of the CERFA Report, AGEISS repeated the US Army Environmental Center (USAEC) guidance for determining parcel classification in 'specific circumstances':

"Storage of petroleum products...prevent an area from becoming a CERFA parcel as long as that storage is for 1 year or greater. The quantity...is not relevant... However, if the operation requiring such substances is in the immediate area, and the storage is in limited quantities for immediate use, the area is not precluded from being a CERFA parcel."

The CERFA Report states in section 3.2.1.8 that, with respect to a maintenance shed (building 624?) at the Combat Vehicle Test Facility, "Significant quantities of hazardous substances...were not observed... nor were indications of poor housekeeping...". Magnitude (quantity) of a hazardous substance present in October 1993 is not a CERFA-qualifying determinant - a release event, absence, or presence for one year or more is. USAEC should reevaluate the parcel 8Q classification based on its definition and use of the term 'significant', and actual practices at and around building 624.

Parcel 15Q:

I do not concur with classification of parcel 15Q-A(P)/L(P). Based on the USAEC evaluation criteria, the chosen classification for this parcel is appropriate when applied to buildings 159 through 163. It is inappropriate, however, when applied to the balance of the Trap and Skeet Range as outlined on the CERFA Parcel Designation Map 5-1. This Range is likely contaminated with lead shot rather than lead-based paint, and ground truthing will be necessary to determine extent of contamination.

Parcel 21P:

I do not concur with classification of parcel 21P along the east boundary of the industrial area, specifically in the area of Open Storage Lot(s) (OSL) 854, 863 and 873. A large petroleum storage tank, estimated size to be in excess of 20,000 gallons, exists in the BRAC parcel, immediately inside the perimeter fence, on OSL 854. Although the tank, apparently, has been there for some time, no mention of it is included in the CERFA Report or the ENPA. Existence of this tank is sufficient cause to modify classification of acreage in the tank's immediate vicinity. In addition, the CERFA Report does not mention possible parcel contamination in the area north of the tank from a salvage operation immediately outside the perimeter fence. Concerns raised by Mr. Brad Maulding, UDEQ - RCRA program, as documented in the ENPA, about contamination entering the installation from this privately-owned salvage yard adjacent to the BRAC parcel were not addressed or evaluated in the CERFA Report. In my opinion, the windshield survey conducted by AGEISS in October 1993 would not have found installation run-on problems, if they exist. TEAD-N should initiate additional characterization of environmental conditions along the east perimeter fence. CERFA classification of acreage along the east perimeter fence, in the vicinity of OSL 854, 863, and 873 must wait until ground truthing is completed.

Parcel 22P:

I do not concur with classification of parcel 22P. Maps and text in the ENPA, and the Final (RCRA) Phase 1 Facility Investigation Report, with respect to the Defense Reutilization and Marketing Office (DRMO) area, report hazardous substances contamination generally throughout the area, which, according to maps in the ENPA, includes parcel 22P. Therefore, this acreage should be included with and become a part of parcel 1D.

Parcel 25P:

I do not concur with classification of parcel 25P in the old housing area south of the Main Entrance Road. To date we have not found any information on methods originally used to heat structures in the old housing area. Assuming fuel oil may have been used in the installation's early years (with underground storage tanks a distinct possibility), I recommend TEAD-N conduct investigations designed to detect and identify underground tanks (i.e., a magnetometer sweep) in the area before proposing parcel characterization.

I have no information about, and neither the CERFA Report nor the ENPA addressed the possibility of pesticides and/or herbicides (containing hazardous substances) being applied in the excessed parcels (i. e., lawn fertilizers or weed killers). With respect to such possible application, I concur with parcel 25P characterization, except as otherwise noted above, because I have no information indicating that residual levels of pesticides or herbicides, if any, present a threat to human health or the environment. However, prior to transferring any portion of this parcel, I recommend TEAD-N provide positive confirmation that residual levels, if any, do not pose a threat to human health or the environment.

I would be happy to discuss these issues with you at any time, or review any additional information you may wish to present. Please call me at 303/294-1978.

Sincerely yours,



Floyd D. Nichols
BRAC Project Manager

cc: Steven Moocres, SRC
Louis Johnson, SHWM-FF
Ken Quirk, USAEC
Terry Hawkins, UDEQ
Bob Carr, for AA-OSWER



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION

Michael O. Leavitt
Governor
Dianne R. Nielson, Ph.D.
Executive Director
Kent P. Gray
Director

168 North 1950 West 1st Floor
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ERRC-230-94

July 7, 1994

Larry McFarland
Environmental Management Division
Tooele Army Depot, SDSTE-IRE, Building 113
Tooele, Utah 84074-5000

Dear Mr. McFarland:

Enclosed are the Division of Environmental Response and Remediation's (DERR's) comments on the Draft Final Community Environmental Response Facilitation Act (CERFA) Report and the Draft Final Enhanced Preliminary Assessment Report (ENPA) for Tooele Army Depot-North Area, March 18, 1994.

The State is supportive of early reuse of closed military property. However, we would like to express some concern about the Base Realignment and Closure (BRAC) process at Tooele Army Depot, specifically with the adequacy of the CERFA investigation to identify potential contaminant releases and the lack of coordination with the State in BRAC planning.

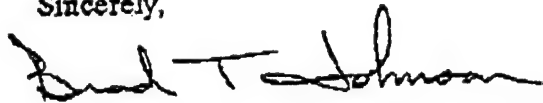
We concur with the CERFA classification to the BRAC parcel, except as noted by EPA. However, we are concerned that the CERFA report may not adequately identify all potential contamination and that document review may not have been as thorough as it should have been. For example, the first document on page 11 in Table 2-1 (List of Maps and Documents Reviewed for TEAD-N CERFA Investigation) identifies radioactive materials storage areas not addressed in the CERFA report. Also, the use of a 50 ppm PCB level as a screening tool may result in the designation of a CERFA-qualified parcel that would not meet CERCLA clean-up requirements.

Another concern is the lack of coordination with the State. With the State having a major role in the environmental restoration at federal facilities, it is disconcerting that we were not involved in early BRAC planning. Also, many early BRAC documents were submitted to this office with unrealistic review deadlines (eg., 1 week, 2 days, etc.). We strongly suggests that BRAC issues be identified early and coordinated with the State. Timely coordination between the State and the Army is key in achieving early reuse of closed military property.

Larry McFarland
Page 2
July 7, 1994

If you have any questions, contact Terry Hawkins at (801)-536-4100.

Sincerely,



Brad T Johnson, CERCLA Branch Manager
Division of Environmental Response and Remediation

BTJ/TH/ser

Enclosure(s)

cc: Floyd Nichols, EPA BRAC Coordinator
Myron Bateman, R.S., M.P.A., Health Officer, Tooele County Health Department

DRAFT FINAL
COMMUNITY ENVIRONMENTAL RESPONSE FACILITATION ACT (CERFA) REPORT
FOR TOOELE ARMY DEPOT - NORTH AREA

General Comments:

1. Several locations in the CERFA report refer to a 50 ppm PCB level for Federal and State regulatory thresholds. Please be aware that CERCLA may require risk based clean up levels for PCBs. EPA CERCLA guidance (EPA/540/G-90/007) recommends preliminary Remediation goals of 1 ppm (residential) and 10 - 25 ppm (industrial) for PCBs. Therefore evaluation of sites based on a 50 ppm PCB level may result in the designation of a CERFA-qualified parcel that would not meet CERCLA clean-up standards. Please evaluate PCB sites appropriately.

Specific Comments:

1. Page 44, Section 4.2.1.1, last sentence. See general comment 1.
2. Page 48, Section 4.3.3. Page 33 of The Installation Assessment of Tooele Army Depot Report No. 141, 1979, identifies buildings 605, 637, and MR554 (previously located west of building 630, where the new Consolidated Maintenance Facility Building is now located) as storing radioactive materials. Page 34 also identifies 2 storage tanks that contained tritium gas. Please address these sites. In the 2nd sentence the word "itrium" should be replaced with "tritium".
3. Page 48, Section 4.3.4, paragraphs 1, 2, 5, and 6. See general comment 1.



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATION

Michael O. Leavitt
Governor

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Executive Director

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ERRC-415-94

September 20, 1994

Mr. Ken Quirk
U.S. Army Environmental Center (USAEC)
APG-EA, MD 21010-5401

Dear Mr. Quirk:

The draft response to our comments on the Draft Final Enhanced Preliminary Assessment (ENPA) and the Draft Final Community Environmental Response Facilitation Act (CERFA) Report appears to adequately address the comments with the exception of specific comments 4 and 6 of the ENPA. Also, a potential problem was identified concerning parcel 25P of the CERFA Report.

The response to Comment #4 should include a statement in the text that other environmental authorities, besides CERCLA, may be involved in the closure of building 659. The Environmental Protection Agency and the State decided that "no action" was appropriate under CERCLA based upon the assumption that the building would be closed under NRC, TSCA, and RCRA regulations. Samples have not been taken in building 659 and a risk assessment has not been conducted. On page 48, Section 3.14.1.3, the last sentence indicates that a risk assessment was conducted for Solid Waste Management Unit (SWMU) 33. This is not correct. Please correct the sentence.

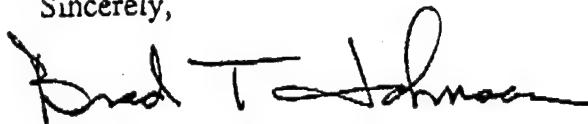
The response to Comment #6 indicates that the barracks are not intended for residential habitation. It is our understanding that several federal organizations and the Soviet On-site Inspection Agency have expressed interest in use of these buildings and that the intended use by these organizations has not been defined. Please identify the intended use of these buildings prior to deciding that lead-based paint is not an area requiring environmental evaluation.

Be aware that SWMU 35, which is adjacent to parcel 25P, is being investigated for pesticides. Ten mg/kg of chlordane was detected in a soil sample from a ditch down-gradient of the horse stables. No samples were taken up-gradient of this sample location during the Phase I investigation. There is a potential that pesticides may be a concern in parcel 25P. Please evaluate potential pesticide contamination within parcel 25P.

Mr. Ken Quirk
September 20, 1994
Page 2

If you have any questions, contact Terry Hawkins at (801)-536-4100.

Sincerely,



Brad T Johnson, CERCLA Branch Manager
Division of Environmental Response and Remediation

BTJ/TH/scr

cc: Floyd Nichols, U.S. EPA, Region VIII
Larry McFarland, TEAD-N
Mary Ellen Maly, USAEC Project Manager
Myron Bateman, R.S., M.P.A., Director, Tooele County Health Department

Response to Comments on Draft Final Community Environmental Response Facilitation Act (CERFA) Report

Commentor: Brad T. Johnson
CERCLA Branch Manager
Utah Division of Environmental Response and Remediation
July 7, 1994

General Comments

Comment 1: Several locations in the CERFA report refer to a 50 ppm PCB level for Federal and State regulatory thresholds. Please be aware that CERCLA may require risk based clean up levels for PCBs. EPA CERCLA guidance (EPA/540/G-90/007) recommends preliminary remediation goals of 1 ppm (residential) and 10-25 ppm (industrial) for PCBs. Therefore evaluation of sites based on a 50 ppm PCB level may result in the designation of a CERFA-qualified parcel that would not meet CERCLA clean-up standards. Please evaluate PCB sites appropriately.

Response: Per appropriate Army guidance, PCB storage areas where there is no evidence of leakage or other PCB release will be classified as CERFA qualified if PCB concentrations are greater than or equal to the State and Federal regulatory threshold of 50 ppm. However, all sites where a PCB release has occurred will be classified as CERFA disqualified to ensure that classification is conducted in accordance with EPA CERCLA guidance.

Specific Comments

Comment 1: Page 44, Section 4.2.1.1, last sentence. See general comment 1.

Response: Per appropriate Army guidance, PCB storage areas where there is no evidence of leakage or other PCB release will be classified as CERFA qualified if PCB concentrations are greater than or equal to the State and Federal regulatory threshold of 50 ppm. However, all sites where a PCB release has occurred will be classified as CERFA disqualified to ensure that classification is conducted in accordance with EPA CERCLA guidance.

Comment 2: Page 48, Section 4.3.3. Page 33 of The Installation Assessment of Tooele Army Depot Report No. 141, 1979, identifies buildings 605, 637, and MR554 (previously located west of building 630, where the new Consolidated Maintenance Facility Building is now located) as storing radioactive materials. Page 34 also identifies 2 storage tanks that contained tritium gas. Please address those sites. In the 2nd sentence the word "itrium" should be replaced with "tritium."

Response: These sites have been addressed and the text has been modified as requested. Historical information indicates that radionuclides formerly present in these buildings have been completely removed; however, in the absence of radiation survey information confirming that radionuclides are no longer present, these structures have been categorized as CERFA qualified due to the possible presence of radionuclides.

Comment 3:

Page 48, Section 4.3.4, paragraphs 1, 2, 5, and 6. See general comment 1.

Response:

Per appropriate Army guidance, PCB storage areas where there is no evidence of leakage or other PCB release will be classified as CERFA qualified if PCB concentrations are greater than or equal to the State and Federal regulatory threshold of 50 ppm. However, all sites where a PCB release has occurred will be classified as CERFA disqualified to ensure that classification is conducted in accordance with EPA CERCLA guidance.

Commentor: Brad T. Johnson
CERCLA Branch Manager
Utah Division of Environmental Response and Remediation
September 20, 1994

General Comments

Comment 1: The response to Comment #4 should include a statement in the text that other environmental authorities, besides CERCLA, may be involved in the closure of building 659. The Environmental Protection Agency and the State decided "no action" was appropriate under CERCLA based upon the assumption that the building would be closed under NRC, TSCA, and RCRA regulations. On page 48, Section 3.14.1.3, the last sentence indicates that a risk assessment was conducted for Solid Waste Management Unit (SWMU) 33. This is not correct. Please correct the sentence.

Response: The ENPA text has been modified as requested.

Comment 2: The response to Comment #6 indicates that the barracks are not intended for residential habitation. It is our understanding that several federal organizations and the Soviet On-site Inspection Agency have expressed interest in use of these buildings and that the intended use by these organizations has not been defined. Please identify the intended use of these building prior to deciding lead-based paint is not an area requiring environmental evaluation.

Response: The ENPA text has been modified to address this issue.

Comment 3: Be aware that SWMU 35, which is adjacent to parcel 25P, is being investigated for pesticides. Ten mg/kg of chlordane was detected in a soil sample from a ditch down-gradient of the horse stables. No samples were taken up-gradient of this sample location during the Phase I investigation. There is a potential that pesticides may be a concern in parcel 25P. Please evaluate potential pesticide contamination within parcel 25P.

Response: Preliminary Phase II sample results were evaluated. Pesticides were detected at concentrations less than 1 mg/kg within parcel 25P. Such concentrations may be indicative of normal pesticide application, and therefore this area has not been designated as qualified or disqualified with respect to CERFA.

Commentor: **Floyd D. Nichols**
 BRAC Project Manager
 U.S. Environmental Protection Agency
 July 1, 1994

Parcel 1D through 7D: I concur with the classification assigned to parcels 1D through 7D. Those parcels were disqualified due, mostly, either to historical usage of areas within the parcels or, with respect to parcel 1D, the presence of a contaminant plume in the underlying aquifer. As we discussed during my visit on June 2, I am also assuming a CERFA disqualified classification for the additional acreage which was added to the west side of the industrial area (as shown on the 3/16/94 CERFA Parcel Designation Map 5-1) as a result of the recent, formal survey of the TEAD-N excessed areas.

Response: The additional acreage to the southwest of the BRAC has been incorporated into the final report. The BRAC parcel shown in the final report is based on the recent survey of the parcel. The CERFA classification of the expanded BRAC parcel was conducted in accordance with all Army CERFA guidance.

Parcel 2D: I do not concur with the 'P' classification for the two acre block immediately south of parcel 2D. Because of their proximity to parcel 2D, I consider it likely this acreage will be contaminated to the same extent as parcel 2D. This acreage should carry the same classification as parcel 2D until field truthing its environmental state.

Response: The CERFA classification is accomplished through a rigorous analysis utilizing Geographic Information System in accordance with Army guidance. Using this methodology consistently, acreage is not considered disqualified on the basis of being located adjacent to other disqualified parcels. The CERFA process ensures that parcels are classified conservatively, as any portion of a disqualified or qualified area which is present within any one-acre grid square overlying the BRAC parcel renders the entire one-acre grid square disqualified or qualified. As such, there is a larger disqualified area around the northern portion of the disturbed ground which necessitates parcel 2D, relative to the southern portion of this parcel. Additionally, the disqualification of parcel 2D is based on "possible" releases, which add to the conservative nature of the parcel designation. Therefore, the parcel shall remain the same size.

Parcel 8Q: I concur with classification of parcel 8Q with the exception of building 632 and, possibly, building 624. A recycled industrial water (holding) tank and an associated structure (building 632) receive treated water from the Industrial Wastewater Treatment Plant (IWTP) for storage prior to reuse in the maintenance area. Classification of this portion of parcel 8Q shall be based on and consistent with RCRA classification of the water pumped from the IWTP and stored in the holding tank.

In section 5.0 of the CERFA Report, AGEISS repeated the US Army Environmental Center (USAEC) guidance for determining parcel classification in 'specific circumstances':

"Storage of petroleum products...prevent an area from becoming a CERFA parcel as long as that storage is for 1 year or greater. The

quantity...is not relevant...However, if the operation requiring such substances is in the immediate area, and the storage is in limited quantities for immediate use, the area is not precluded from being a CERFA parcel."

The CERFA Report states in section 3.2.1.8 that, with respect to a maintenance shed (building 624?) at the Combat Vehicle Test Facility, "Significant quantities of hazardous substances...were not observed...nor were indications of poor housekeeping...". Magnitude (quantity) of a hazardous substance present in October 1993 is not a CERFA-qualifying determinant - a release event, absence, or presence for one year or more is. USAEC should reevaluate the parcel 8Q classification based on its definition and use of the term 'significant', and actual practices at and around building 624.

Response: The holding tank which receives recycled industrial water from the IWTP and the associated structure (building 632) are properly classified as CERFA qualified. Results from analysis of recycled industrial water samples confirm that these structures are not used for RCRA hazardous substance/waste or petroleum storage, and thus are not classified as CERFA disqualified.

The text that describes Building 624 has been revised to remove all references to magnitude (quantity). The area was properly designated as qualified, since bulk storage or any release of hazardous substances or petroleum products was not documented or suspected at Building 624.

Parcel 15Q: I do not concur with classification of parcel 15Q-A(P)/L(P). Based on the USAEC evaluation criteria, the chosen classification for this parcel is appropriate when applied to buildings 159 through 163. It is inappropriate, however, when applied to the balance of the Trap and Skeet Range as outlined on the CERFA Parcel Designation Map 5-1. This Range is likely contaminated with lead shot rather than lead-based paint, and ground truthing will be necessary to determine extent of contamination.

Response: Installation personnel from the TEAD Environmental Office have indicated that a steel shot rule has always been in effect at the Trap and Skeet Range, which prohibits use of lead shot. Therefore, lead shot is not considered a concern, and the parcel will not be disqualified or qualified with respect to lead shot or lead-based paint.

Parcel 21P: I do not concur with classification of parcel 21P along the east boundary of the industrial area, specifically in the area of Open Storage Lot (s) (OSL) 854, 863, and 873. A large petroleum storage tank, estimated size to be in excess of 20,000 gallons, exists in the BRAC parcel, immediately inside the perimeter fence, on OSL 854. Although the tank, apparently, has been there for some time, no mention of it is included in the CERFA Report or the ENPA. Existence of this tank is sufficient cause to modify classification of acreage in the tank's immediate vicinity. In addition, the CERFA Report does not mention possible parcel contamination in the area north of the tank from a salvage operation immediately outside the perimeter fence. Concerns raised by Mr. Brad Maulding, UDEQ-RCRA Program, as documented in the ENPA, about contamination entering the installation from this privately-owned salvage yard adjacent to the BRAC parcel were not addressed or evaluated in the CERFA

Report. In my opinion, the windshield survey conducted by AGEISS in October 1993 would not have found installation run-on problems, if the exist. TEAD-N should initiate additional characterization of environmental conditions along the east perimeter fence. CERFA classification of acreage along the east perimeter fence, in the vicinity of OSL 854, 863, and 873 must wait until ground truthing is completed.

Response:

The area which encompasses the large petroleum tank will be included in the BRAC parcel. The tank itself will be classified as disqualified based on petroleum storage. The immediate fenced area surrounding the petroleum tank will also be is classified as disqualified, due to reported minor incidents of overfilling which occurred in the past. The petroleum tank and the surrounding area were inspected during AGEISS' on-site survey of the BRAC parcel; however, no evidence of contamination impacting other areas of the BRAC parcel or the surrounding area was observed or reported associated with this tank.

Concerning the off-site area north of the tank, no evidence exists to indicate that contamination from the salvage yard may be impacting the BRAC. Mr. Maulding's general opinion expressed during the CERFA investigation was that salvage yards may produce contamination; however, the State does not have any information to indicate there is a problem with the specific salvage yard located east of TEAD-N. In addition to the windshield survey performed to inspect this salvage yard, additional Installation, Federal, State, and Local (including the Tooele County Health Department) regulatory personnel interviews and file searches were performed to further investigate the potential for salvage yard contamination entering the BRAC parcel. No evidence of any potential salvage yard contamination entering the BRAC was discovered during this exhaustive search. Therefore, per Army guidance, no additional investigation of the area for potential salvage yard contamination is required.

Parcel 22P:

I do not concur with classification of parcel 22P. Maps and text in the ENPA and the Final (RCRA) Phase 1 Facility Investigation Report, with respect to the Defense Reutilization and Marketing office (DRMO) area, report hazardous substances contamination generally throughout the area, which , according to maps in the ENPA, includes parcel 22P. Therefore, this acreage should be included with and become a part of parcel 1D.

Response:

The area formerly designated as parcel 22P will be re-classified as disqualified based on further evaluation of the extent of contamination associated with the DRMO.

Parcel 25P:

I do not concur with classification of parcel 25P in the old housing area south of the Main Entrance Road. To date, we have not found any information on methods originally used to heat structures in the old housing area. Assuming fuel oil may have been used in the installation's early years (with underground storage tanks a distinct possibility), I recommend TEAD-N conduct investigations designed to detect and identify underground tanks (i.e., a magnetometer sweep) in the area before proposing parcel characterization.

Response:

The area south of the Main Entrance Road that was formerly used for housing has been re-classified as disqualified based on possible petroleum storage

which potentially occurred in old heating oil tanks that may or may not still remain. The boundaries of the area designated as disqualified was determined based on the maximum former extent of the demolished base housing tract presented on aerial photographs.

Comment:

I have no information about, and neither the CERFA Report nor the ENPA addressed the possibility of pesticides and/or herbicides (containing hazardous substances) being applied in the excessed parcels (i.e., lawn fertilizers or weed killers). With respect to such possible application, I concur with parcel 25P characterization, except as otherwise notes above, because I have no information indicating that residual levels of pesticides or herbicides, if any, present a threat to human health or the environment. However, prior to transferring any portion of this parcel, I recommend TEAD-N provide positive confirmation that residual levels, if any, do not pose a threat to human health or the environment.

Response:

Per Army guidance, CERFA does not address routine application of pesticides and/or herbicides for their intended use.



State of Utah

DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF ENVIRONMENTAL RESPONSE AND REMEDIATIONMichael O. Leavitt
GovernorDianne R. Nielson, Ph.D.
Executive DirectorKent P. Gray
Director168 North 1950 West
P.O. Box 144840
Salt Lake City, Utah 84114-4840
(801) 536-4100
(801) 359-8853 Fax
(801) 536-4414 T.D.D.

ERRC-579-94

December 9, 1994

Mr. Larry McFarland
Environmental Management Division
Tooele Army Depot, SESTE-IRE, Building 113
Tooele, Utah 84057-5000

Dear Mr. McFarland:

The Division of Environmental Response and Remediation (DERR) has three comments on the Final Community Environmental Response Facilitation Act (CERFA) Report and the Final Enhanced Preliminary Assessment (ENPA) Report for Tooele Army Depot-North Area, October 5, 1994.

ENPA - Page 50, Section 3.11.1, last sentence. Though the last sentence may be correct, it would be better to state that there were no leaking transformers identified in the BRAC parcel as stated in the CERFA report on page 57. Section 4.3.4, second paragraph, second sentence. (A leaking transformer regardless of the PCB concentration may be of concern under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)).

CERFA - Page 69, Table 5-1, Parcel 2D-PR(P)HR(P). This parcel has been identified as CERFA disqualified based upon aerial photographic analysis; however, no additional studies/remediation efforts are proposed. Please evaluate the need for additional study at this site.

CERFA - Page 72, Table 5-1, Parcel 6D-PR(P)HR(P). This parcel has been identified as CERFA disqualified based upon aerial photographic analysis; however, no additional studies/remediation efforts are proposed. Please evaluate the need for additional study at this site.

If you have any questions, contact Terry Hawkins at (801)-536-4100.

Sincerely,

Brad T Johnson, CERCLA Branch Manager
Division of Environmental Response and Remediation

BTJ/TH/scr

cc: Floyd Nichols, U.S. EPA Region VIII
Myron Bateman, R.S., M.P.A., Tooele County Health Department



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2466

December 29, 1994

Mr. Larry McFarland
BRAC Environmental Coordinator
Tooele Army Depot
SDSTE-IRE
Tooele, UT 84074

Dear Mr. McFarland:

On October 31, 1994, I received the revised TEAD-N (10/05/94) CERFA Report and the revised (10/05/94) ENPA Report for review.

I first commented on these Reports in my July 1, 1994, letter to you. Following that response, I had subsequent discussions about those comments with you and Ken Quirk, U.S. Army Environmental Center (USAEC). Upon review of the October 1, 1994 revisions, I agree most of my original comments have been adequately addressed. However, concerns expressed in my initial response have not been satisfactorily addressed for:

Parcel 2D:

The AEC response to my original comment is valid, to a point. The grid utilized on the CERFA Parcel Designation Map 5 1 was is an arbitrary overlay of a TEAD-N base map. Therefore, there can be no exact correlation between grid lines and any particular area of suspected (or hypothetical) contamination, without further investigative efforts. A correlation can be made, however, between grid lines and outstanding physical features, the primary reason for my original comment. Therefore, my original comment stands.

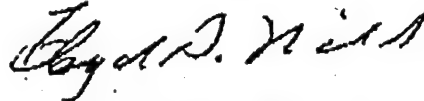
At the conclusion of my July 1, 1994 letter, I expressed, without particular specificity, reservations about pesticide use in the various BRAC parcels. The AEC response stated, "...CERFA does not address routine application of pesticides and/or herbicides for their intended use." My original comment remains valid from the standpoint of any non-routine applications as well as any storage, blending and/or mixing areas identified in the



BRAC parcels.

If you have any questions, please call me at 303/294-1978.

Sincerely,



Floyd D. Nichols
BRAC Project Manager

cc: Steven Moores, SRC
Louis Johnson, SHWM-FF
Ken Quirk, USAEC
Terry Hawkins, UDEQ
Sven Erik-Kaiser, FFRRO

Response to Comments on Final Community Environmental Response Facilitation Act (CERFA) Report

Commentor: Brad T. Johnson
CERCLA Branch Manager
Utah Division of Environmental Response and Remediation
December 9, 1994

Comment 1: ENPA - Page 50, Section 3.11.1, last sentence. Though the last sentence may be correct, it would be better to state that there were no leaking transformers identified in the BRAC parcel as stated in the CERFA report on page 57, Section 4.3.4, second paragraph, second sentence. (A leaking transformer regardless of the PCB concentration may be of concern under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)).

Response: The Final ENPA Report text has been modified as requested in an addendum submitted on January 30, 1995.

Comment 2: CERFA - Page 69, Table 5-1, Parcel 2D-PR(P)HR(P). This parcel has been identified as CERFA disqualified based upon aerial photographic analysis; however, no additional studies/remediation efforts are proposed. Please evaluate the need for additional study at this site.

Response: CERFA Table 5-1 has been modified as requested in an addendum submitted on January 30, 1995.

Comment 3: CERFA - Page 72, Table 5-1, Parcel 6D-PR(P)HR(P). This parcel has been identified as CERFA disqualified based upon aerial photographic analysis; however, no additional studies/remediation efforts are proposed. Please evaluate the need for additional study at this site.

Response: No additional studies or remediation efforts are proposed associated with Parcel 6D-PR(P)HR(P), as the results of ground truthing conducted by the TEAD-N Environmental Management Division personnel did not indicate the need for additional investigation of this area. This information and the resulting conclusion were presented to the Utah Department of Environmental Quality in a correspondence from the TEAD-N Environmental Management Division dated May 10, 1994.

Commentor: Floyd D. Nichols
BRAC Project Manager
U.S. Environmental Protection Agency
December 29, 1994

Comment 1: Parcel 2D: The AEC response to my original comment is valid, to a point. The grid utilized on the CERFA Parcel Designation Map 5-1 was is an arbitrary overlay of a TEAD-N base map. Therefore, there can be no exact correlation between grid lines and any particular area of suspected (or hypothetical) contamination, without further investigative efforts. A correlation can be made; however, between grid lines and outstanding physical features, the primary reason for my original comment. Therefore, my original comment stands.

Response: The two acres immediately south of Parcel 2D-PR(P)/HR(P) have been added to Parcel 2D-PR(P)/HR(P), per Mr. Nichols' original comment. Details regarding this revision are provided in an addendum submitted on January 30, 1995.

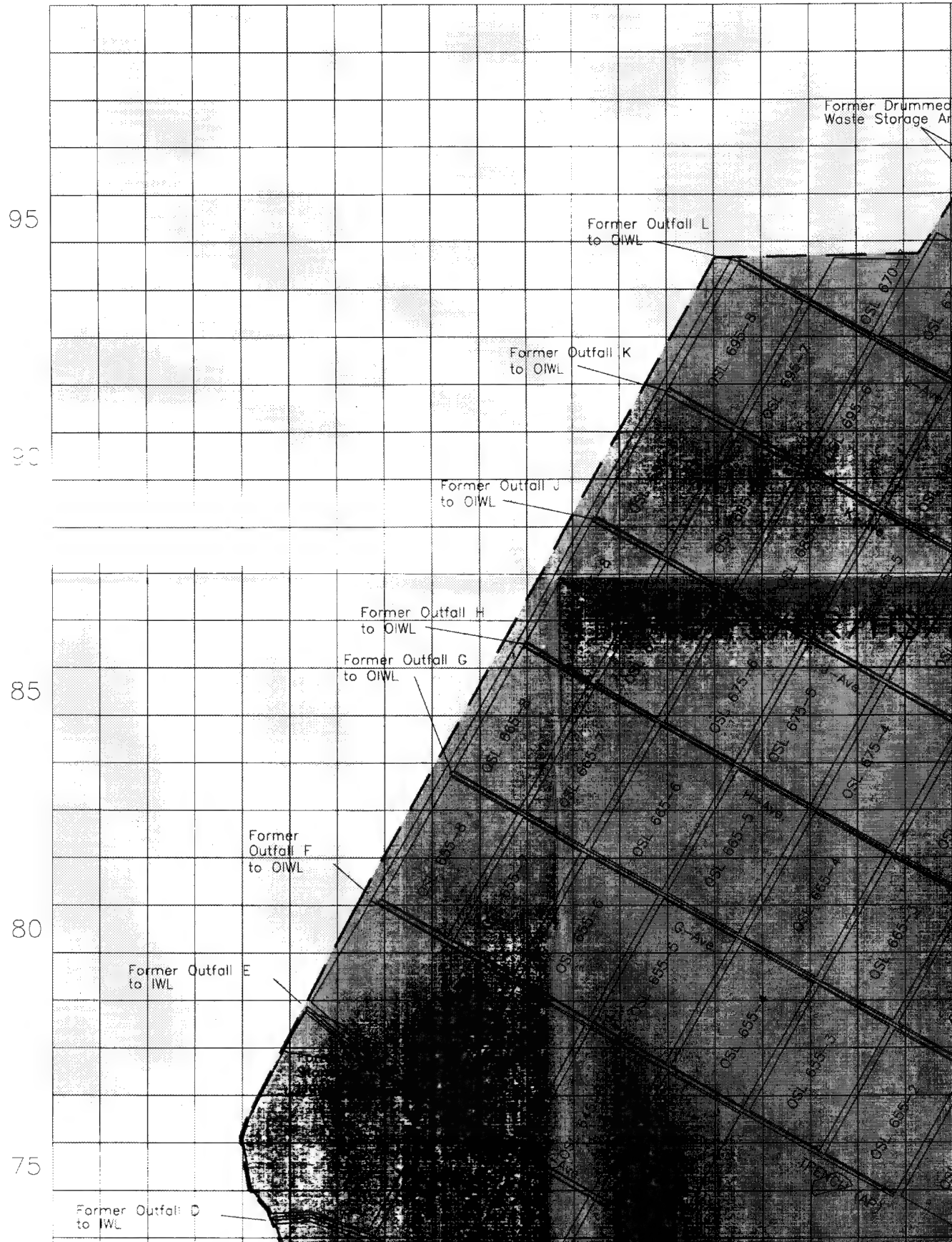
Comment 2: At the conclusion of my July 1, 1994 letter, I expressed, without particular specificity, reservations about pesticide use in the various BRAC parcels. The AEC response stated, "...CERFA does not address routine application of pesticides and/or herbicides for their intended use." My original comment remains valid from the standpoint of any non-routine applications as well as any storage, blending and/or mixing areas identified in the BRAC parcels.

Response: No evidence of non-routine use of pesticides in the TEAD-N BRAC parcel was obtained during the CERFA investigation. Mr. Larry McFarland, the TEAD-N BRAC Environmental Coordinator, was also consulted to verify this information. Mr. McFarland has no knowledge of any past or present non-routine pesticide use conducted in any area of the BRAC parcel, including storage, mixing, and/or blending of pesticides.

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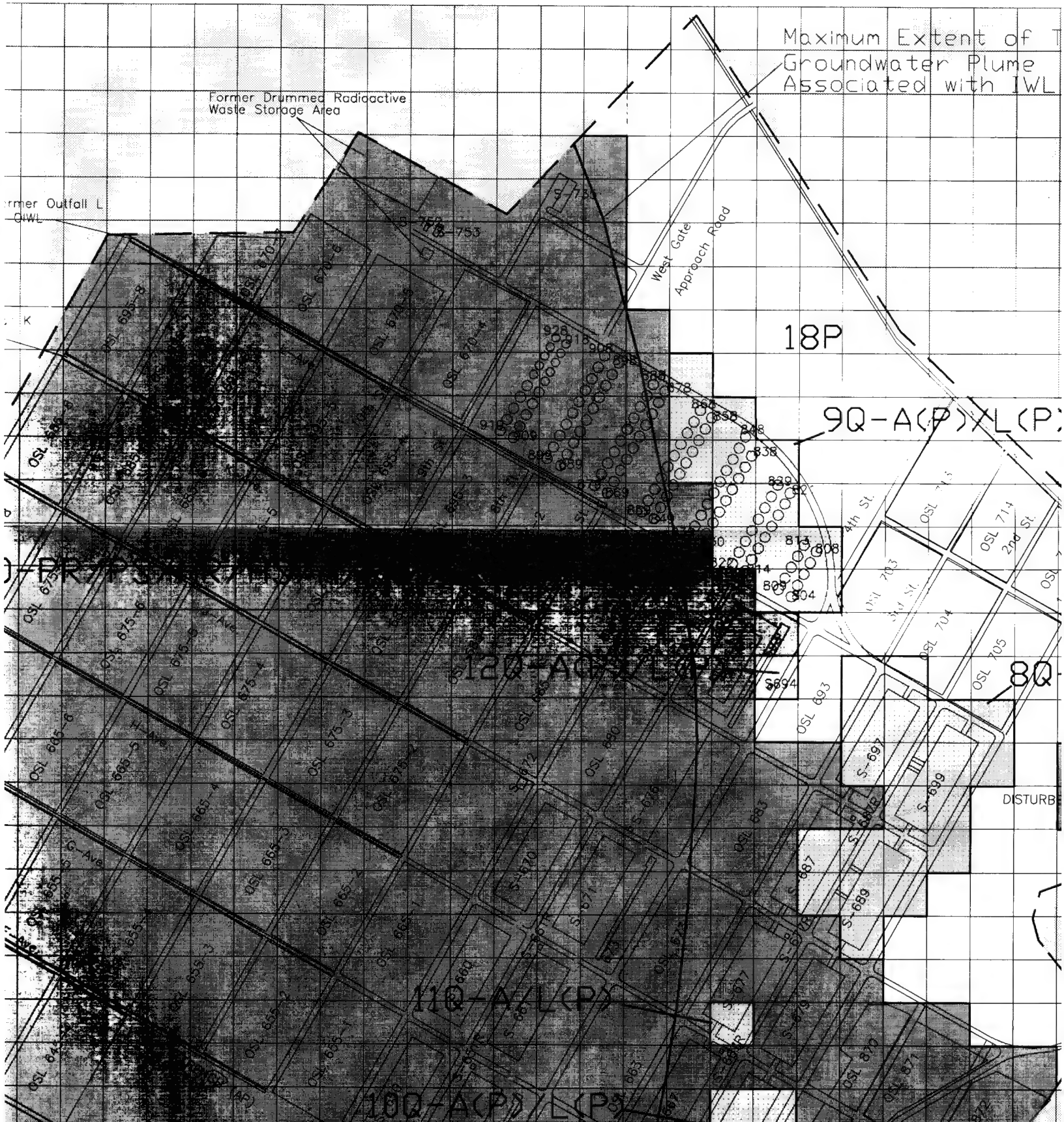
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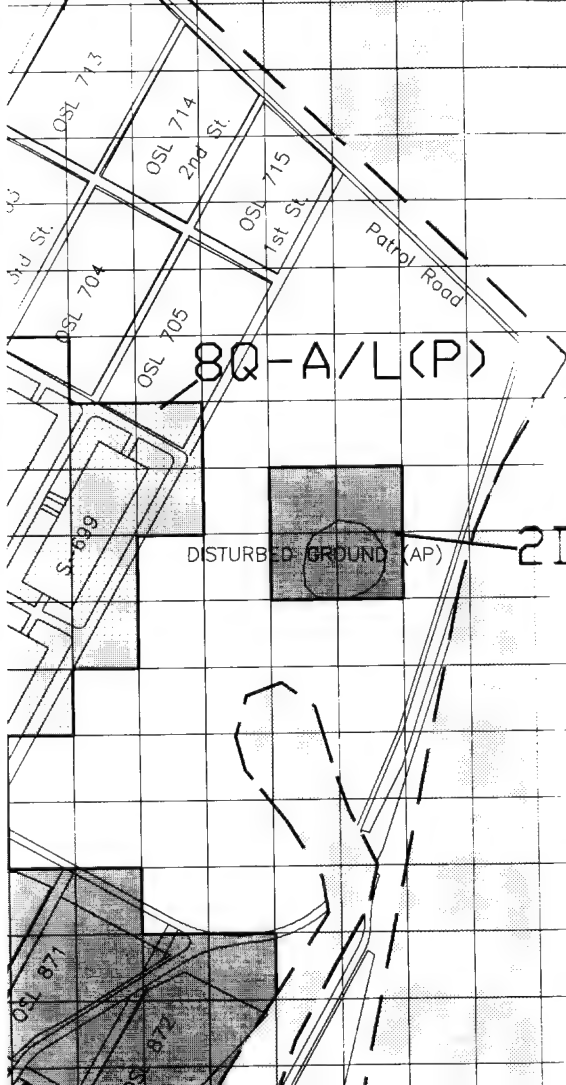
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Extent of TCE
Water Plume
defined with IWL

A(P)/L(P)

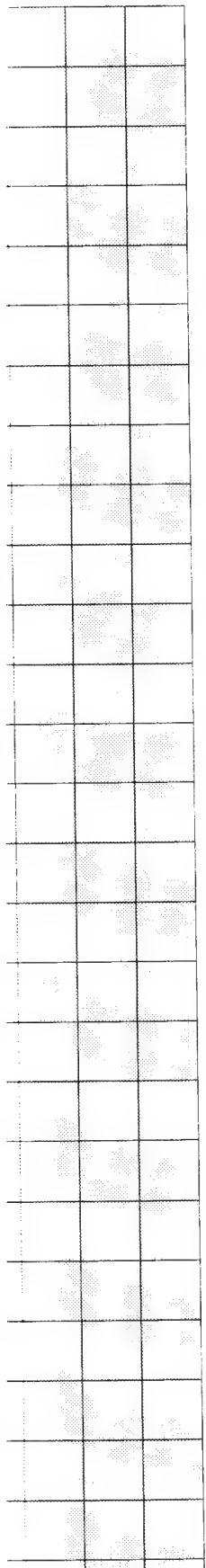


8Q-A/L(P)

DISTURBED GROUND (AP)

2D-PR(P)/HR(P)

55



95

90

85

80

75



CEREA

LEGEND

75

Former Outfall D
to IWLFormer Outfall C
to IWL

70

Former Outfall B
to IWLChannel Failure
From Outfall B

65

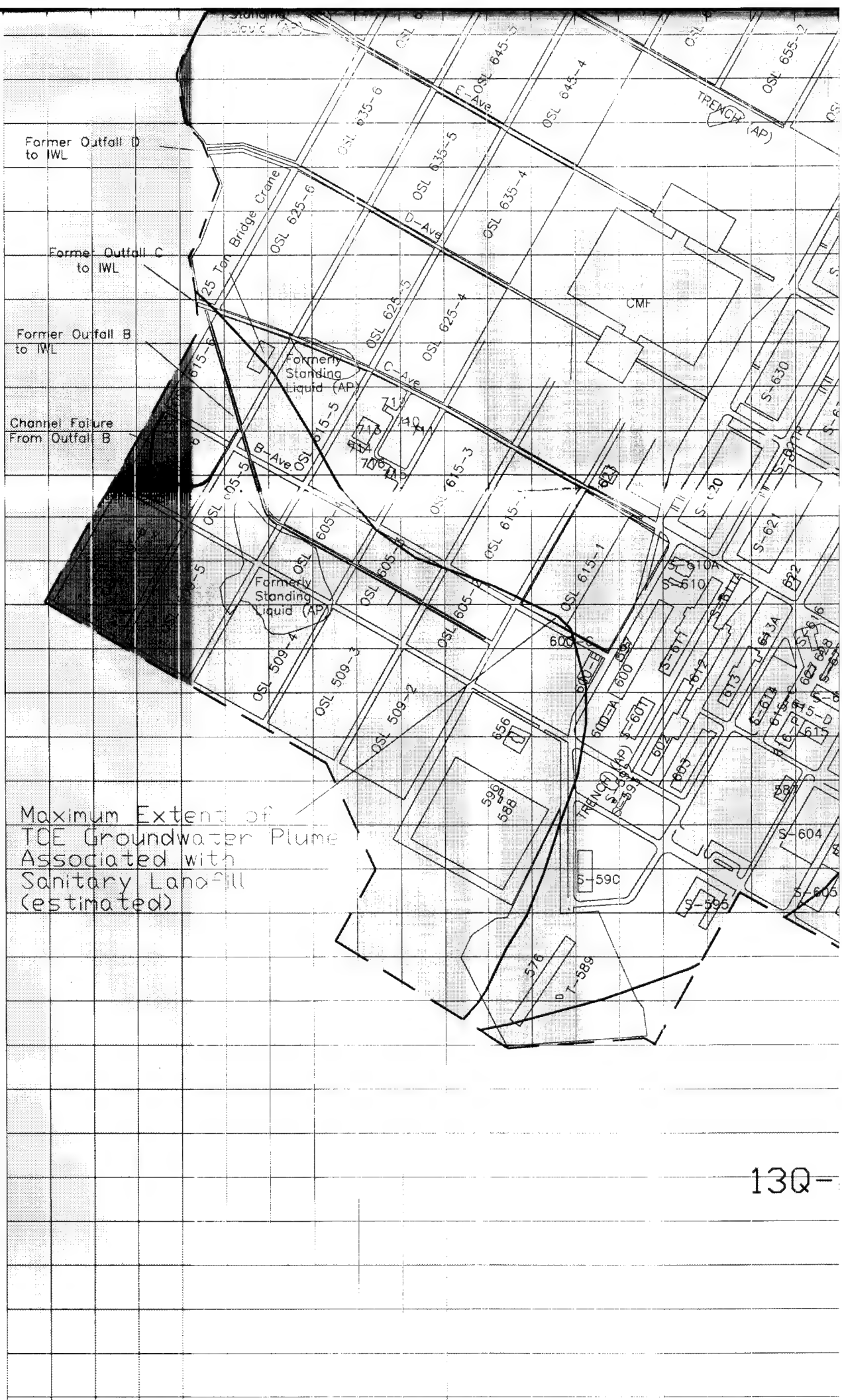
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Maximum Extent of
TCE Groundwater Plume
Associated with
Sanitary Landfill
(estimated)

55

50

13Q-



~~10Q-A(P)/L(P)~~

-3D-PR/P

13Q-A(P)/L(P)

19F

Reservation Boundary

Water

Fuel Oil

--	--

75

70

65

60

55

50

PR/PS/L(P)

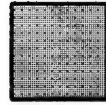
LEGEND

75



CERFA Disqua

70



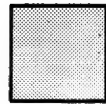
CERFA Qualifi

65



CERFA Parcel

60



CERFA Exclud



BRAC Parcel

55

AP

Former Groun
on Aerial Phc

CMF

Consolidated

FB

Former Buildi

IWL

Industrial Wa

□IWL

Old Industria

□SL

Open Storage

TCE

Trichloroethy

50

SCALE

LEGEND

CERFA Disqualified Parcel

CERFA Qualified Parcel

CERFA Parcel

CERFA Excluded Parcel

BRAC Parcel

Former Ground Disturbance Identified
on Aerial Photographs

Consolidated Maintenance Facility

Former Building

Industrial Waste Lagoon

Old Industrial Waste Lagoon

Open Storage Lot

Trichloroethylene

SCALE

50

45

40

35

30

25

20

13Q-A(P)/L(P)

OSL 804

OSL 805

OSL 806

OSL 807

OSL 808

Maintenance and Supply Road

5D-PRO

14Q

21P

TRAP AND SKEET RAN

60
161
T-159

63

AREA (AP)

SLAB

Main Entrance Road

22P

50

45

40

35

D-PR(P)/HR(P)

14Q-A(P)/L(P)

ND SKEET RANGE

20P

15Q-L(P)

30

25

ION (AP)

6D-PR(P)/HR(P)

TCE Trichloroethene

50

45

40

35

30

25

SCALE
0 600



FEET



Trichloroethylene

SCALE

0 600 1,200



FEET



20

15

10

5

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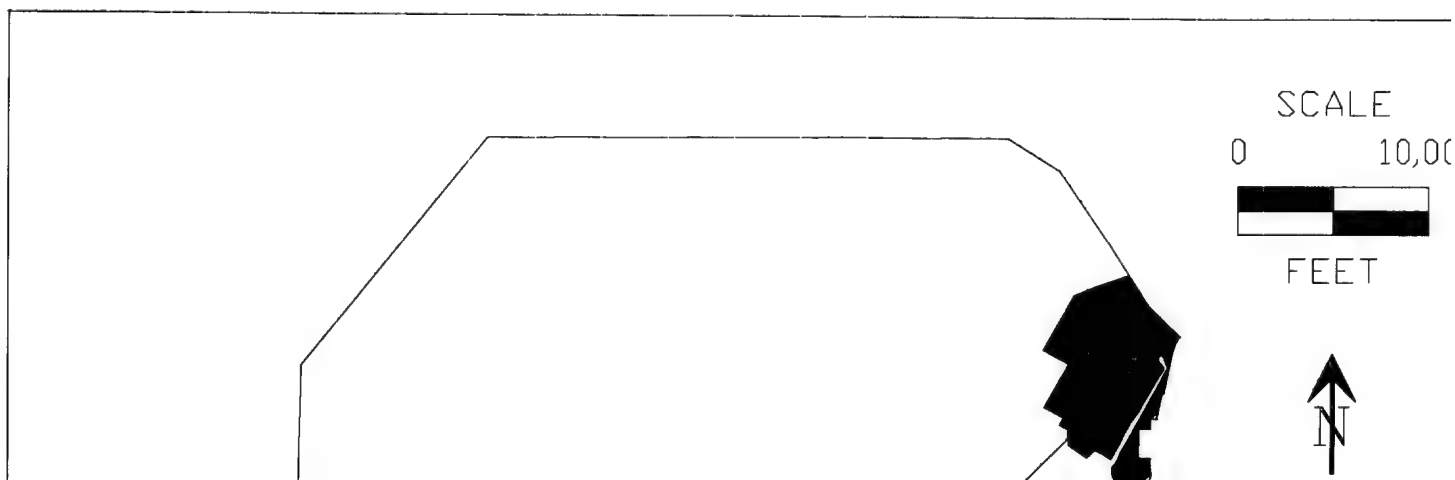
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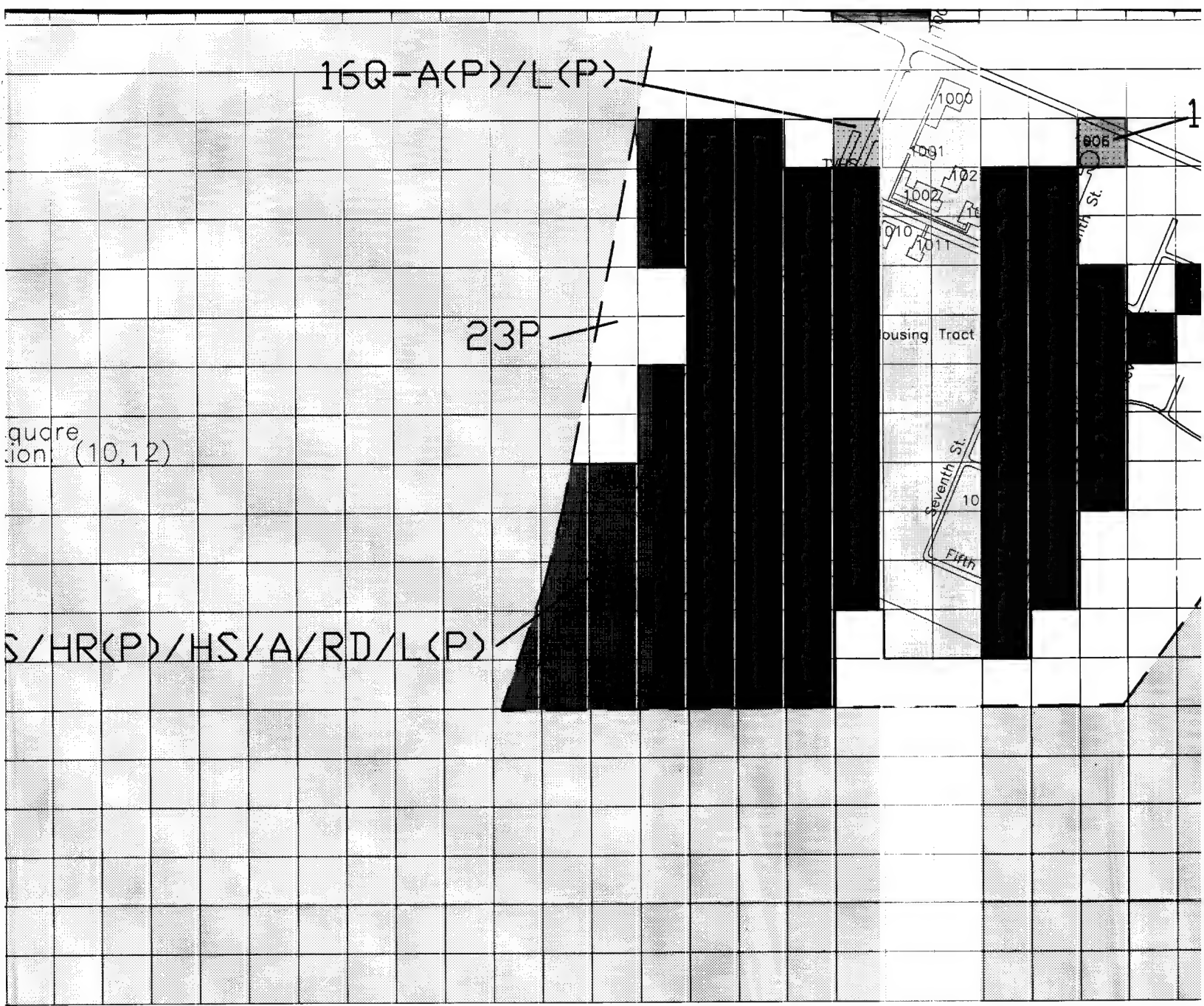
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One Acre Grid Square
Coordinate Location (10,12)

4D-PR(P)/PS/HR(P)/I





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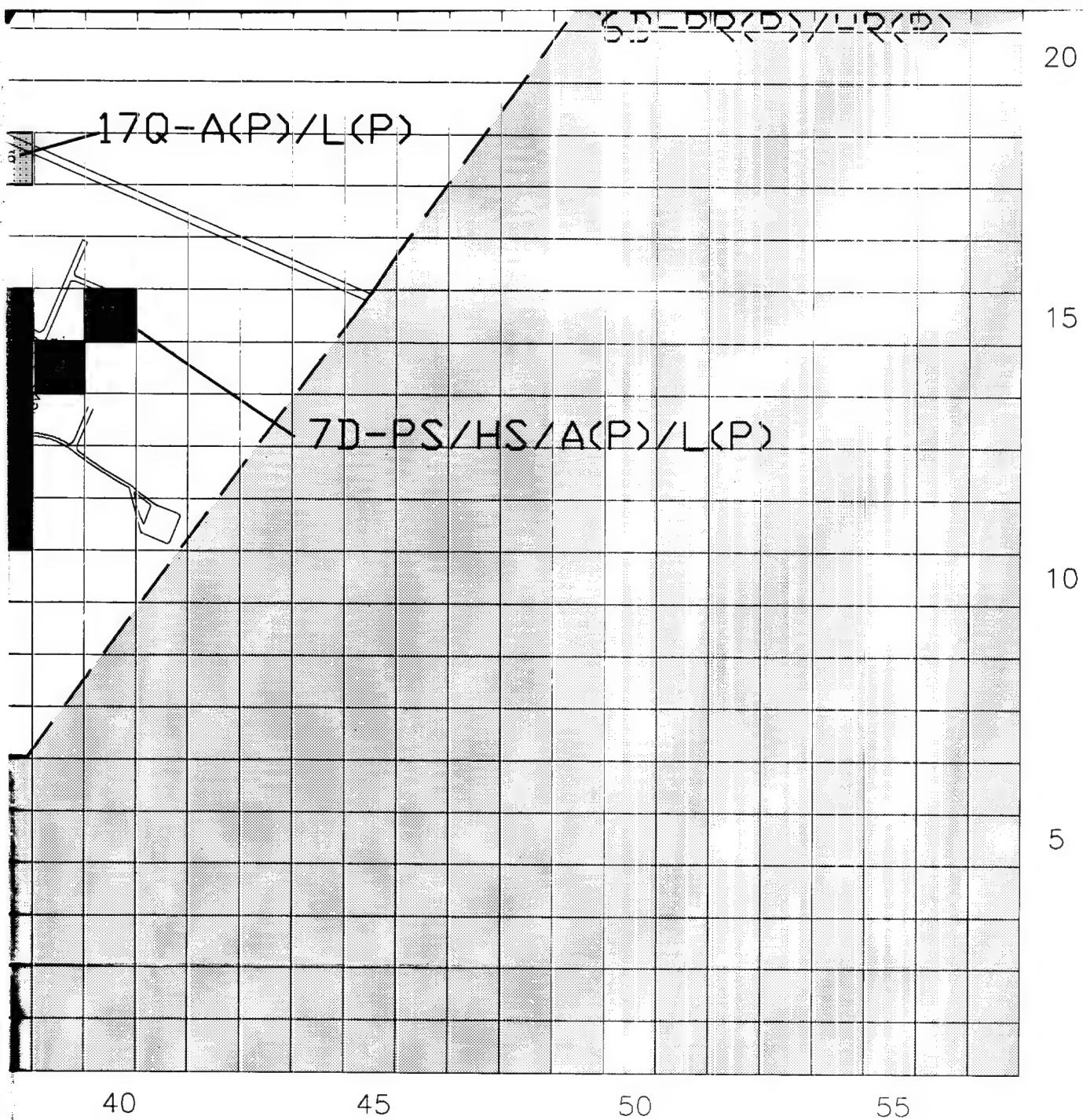
SCALE

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FEET





Parcel Label Definitions

5Q-A(P)/L(P)

A Asbestos
L Lead-Based
P Polychlorinated
R Radon
RD Radionuclides
PS Petroleum Spills
PR Petroleum Releases
HS Hazardous Materials
HR Hazardous Materials
(P) Possible

P CERFA Parcel
Q CERFA Qualified
D CERFA Disqualified

PARCEL NUMBER

Prepared by

U.S. Environmental Protection Agency

Date Received

1/1/80

A Asbestos
L Lead-Based Paint
P Polychlorinated Biphenyls
R Radon
RD Radionuclides
PS Petroleum Storage
PR Petroleum Release/Disposal
HS Hazardous Material Storage
HR Hazardous Material Release/Disposal
(P) Possible

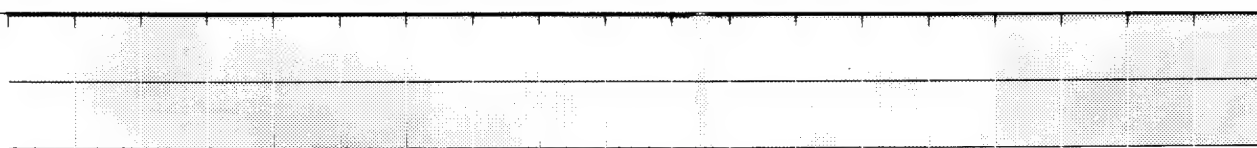
P CERFA Parcel
Q CERFA Qualified Parcel
D CERFA Disqualified Parcel

PARCEL NUMBER

Prepared for:

U.S. Army Environmental Center

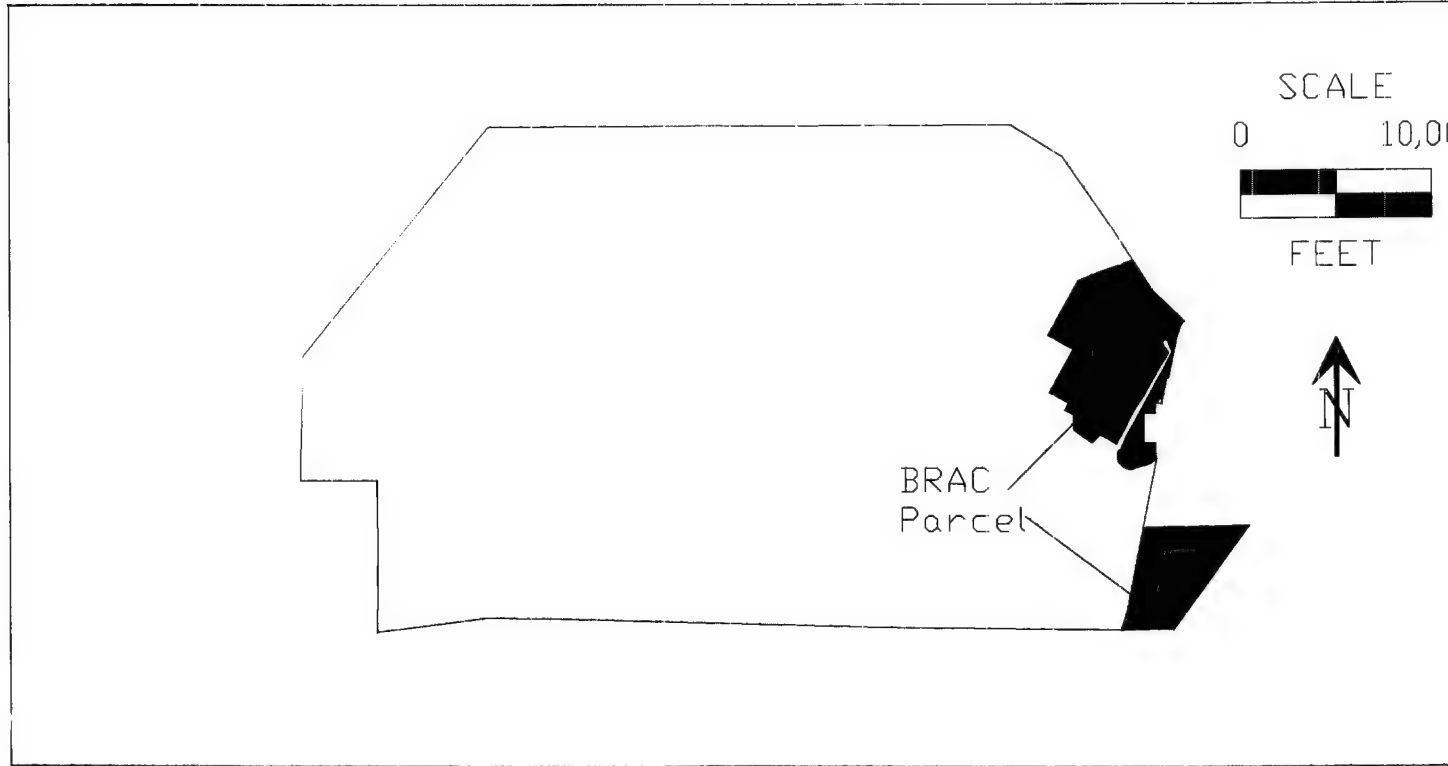
Date Revised: 10/03/94



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15



SCALE

0

10,000



FEET



BRAC
Parcel

20

25

30

35

40

SCALE

10,000



FEET





40

45

50

55



PARCEL NUMBER

Pre

U.S

Date
I:\AE

Map

CER

Prep

PARCEL NUMBER

Prepared for:

U.S. Army Environmental Center

Date Revised: 10/03/94

I:\AEC_TEP\DO1\FINAL.CER\CADGIS\CERFA.DWG

Map 5-1

CERFA Parcel Designation Map

Prepared by: AGEISS Environmental, Inc.

FINAL